Niveau(x) d'enseignement: 4 Numéro EDUQ : 8170886
Centre d'intérêt: 97

Université du Québec. Centre d'études universitaires dans l'Ouest québécois (Hull, Québec) Programme de perfectionnement des maîtres en enseignement professionnel.

Répertoire audiovisuel, secteur hydrothermie : guide d'information / Programme de perfectionnement des maîtres en enseignement professionnel, Centre d'études universitaires dans l'Ouest québécois, Université du Québec. -- Hull : Le Centre, 1981.
[83] f. ; 28 cm.

Titre de la couv.

Cote Dewey: 671.0208'016/U58r Cote LC: LC/1048/.A7

Descripteur(s): *Techniques physiques *Documentation audiovisuelle *Répertoire *Secondaire (Niveau)

Identificateur(s) de sujet: *Hydrothermie 250-000

Le but premier de ce répertoire est de servir d'instrument de repérage et de sélection du matériel audiovisuel aux enseignants du niveau secondaire oeuvrant dans le secteur professionnel de l'hydrothermie. Il constitue une tentative pour présenter l'état du marché nord-américain dans le domaine. L'information repérée est répartie dans les sections suivantes: Métiers - Tolerie - Soudage - Forgeage - Chauffage et climatisation - Plomberie - Fonderie et moulage - Métallurgie - Réfrigération - Structures - Santé et sécurité - Les mines.

Environ 300 documents, en majorité de langue anglaise, sont répertoriés. Pour chacun, l'ouvrage fournit le titre, l'essentiel du résumé, les caractéristiques du support, la durée et les références concernant le distributeur, le producteur et la source d'où originent les informations. Une liste de ces références (nom de l'organisme et adresse) pour fins de location ou d'emprunt complète le tout.

Type de document: b
Financement: Bénéficiaire - Centre d'études universitaires dans l'Ouest québécois
Organisme(s) source(s) - MEQ - DGES
Programme(s) de subvention - PPMEP
Auteur de l'analyse: ar

E D U Q 8170886

GUIDE D'INFORMATION

RÉPERTOIRE AUDIOVISUEL

Secteur hydrothermie

PPMEP

PROGRAMME DE PERFECTIONNEMENT DES MAÎTRES EN ENSEIGNEMENT PROFESSIONNEL

Université du Québec
Centre d'études universitaires dans l'Ouest québécois
Case postale 1250, succursale "B", Hull, Québec
J8X 3X7

E D U Q 8170886

RÉPERTOIRE AUDIOVISUEL

Secteur hydrothermie

UNIVERSITE DU QUEBEC A HULL

PROGRAMME DE PERFECTIONNEMENT DES MAITRES EN ENSEIGNEMENT PROFESSIONNEL

HULL - MAI 1981

Coordination	:	Serge Fortier Conseiller au PPMEP
Recherche documentaire, compilation et dactylographie	:	Diane Laurier Technicienne en documentation
		France St-Amour Secrétaire du Projet
Graphisme	:	Denis de Carufel Graphiste - UQAH

"Les suggestions ne manquent pas mais le problème est de savoir comment organiser et structurer cette information de façon à la rendre disponible, accessible et utilisable."

"Toute la difficulté réside dans le degré d'accessibilité du professeur à l'information et dans "l'utilisabilité" de cette dernière. Peut-être pourrait-on envisager une publication (style revue mensuelle) directement adressée à l'enseignant où serait consignée, par disciplines, de manière sélective et critique, les indications nécessaires à un choix éclairé et judicieux du matériel didactique."

Ref: Rapport synthèse, enseignement professionnel
MEQ, DHD, no. 16-4315-03

NOTE: Ce répertoire audio-visuel a été réalisé dans le cadre d'une subvention du MEQ (DGES - programme de développement d'une didactique spéciale et des ressources professorales au PPMCP) octroyée au CEUOQ pour le programme de perfectionnement des maîtres en enseignement professionnel.

PRÉSENTATION

Divers types de supports matériels contribuent à l'enseignement d'une technique ou d'un métier, que ce soit dans l'apprentissage d'une habileté manuelle ou dans la compréhension d'un mécanisme. Bien que l'éventail des moyens actuellement disponibles dans nos écoles va de la fiche au manuel-maison, sans oublier le potentiel investi dans des techniques plus récentes comme le cinéma et la télévision, il n'en demeure pas moins que ce type d'instruments proposés par la technologie audio-visuelle reste largement sous-utilisée pour ne pas dire méconnue.

S'il y a par ailleurs "production locale", elle se fera beaucoup plus par nécessité que par choix; le professeur considérant que le matériel requis pour sa démonstration est inadéquat, voir même introuvable si ce n'est pas tout simplement inexistant.

Et puis, compte tenu de la somme de travail qu'exige la préparation d'un document audio-visuel, on ne s'étonnera pas de constater que l'enseignant a plus souvent recours à des techniques de démonstration simples à fabriquer mais flexibles dans leur utilisation.

Paradoxalement, on constate aussi que le professeur du secondaire n'est que rarement informé de ce que lui offre le marché nord-américain des producteurs-distributeurs. Ce constat questionne déjà le rôle des différents systèmes d'information du réseau scolaire au secondaire, tout au moins en ce qui concerne l'enseignement professionnel.

Dans ces conditions, on ne devrait pas s'étonner que le maître de l'enseignement professionnel suggère alors l'établissement d'un meilleur système de référence et de diffusion du matériel produit par les institutions ou l'entreprise privée. Cependant, il ne faudra pas oublier qu'une majorité de professeurs souhaitent aussi que cet effort d'inventaire donne lieu à des rencontres qui permettront de valider, ou de critiquer le produit offert. Mais le plus délicat restera à faire... comment contribuer à l'intégration et au développement de ces nouvelles techniques dans l'enseignement?

L'ÉTAT DU MARCHÉ

Ce répertoire présente l'état du marché nord-américain pour la production audio-visuelle destinée à l'enseignement professionnel. Il n'est certes pas exhaustif.

Mais il y a lieu d'espérer qu'à court terme ce répertoire contribuera à l'utilisation plus économique de la technologie audio-visuelle dans la mesure où le professeur connaîtra le matériel disponible pour l'enseignement de son métier tout en étant en meilleure posture pour l'utiliser et puis l'évaluer.

De plus, il n'est pas impensable qu'à plus long terme ce répertoire puisse indiquer des voies dans la recherche d'une identification des priorités de production qui,tout en demeurant pertinentes à l'enseignement des programmes du professionnel, s'ajusteront de façon réaliste à une économie dont la technique et les métiers reposent plus souvent qu'autrement sur des apports externes, tant au niveau culturel que des

méthodes didactiques utilisées.

On soupçonne déjà les difficultés d'interprétation soulevées par l'inventaire d'un matériel éducatif étranger à nos coutumes pédagogiques pour ne pas entrevoir les obstacles inhérents à une diffusion éventuelle de ces produits.

UN INSTRUMENT DE FORMATION

Il va de soi que l'université doit faire de la recherche une de ses missions fondamentales. Mais actuellement, il semble que l'essentiel de cette mission repose plus sur la résolution d'une hypothèse qui confirmera la validité d'un énoncé tout en estimant ses probabilités de récurrence.

Par ailleurs, l'hypothèse soutenue tout au long de la production de ce répertoire trouvera sa vérification dans l'utilisation des informations présentées à titre d'inventaire.

En tout premier lieu, cet instrument devrait permettre d'accélérer et de raffiner les mécanismes de sélection-utilisation-évaluation du matériel audio-visuel disponible pour l'enseignement professionnel.

En second lieu, cet inventaire contient les germes d'une analyse qualitative des productions offertes par le marché, analyse qui pourrait très bien s'ammorcer au niveau de l'enseignant du secondaire.

De plus, le chercheur universitaire pourra toujours mesurer le niveau de satisfaction en fonction des différents types de production et ainsi améliorer sa contribution à la théorie de l'apprentissage.

Mais le but premier de ce répertoire est de fournir un instrument de repérage et de sélection du matériel audio-visuel destiné au professeur de l'enseignement professionnel et peut-être, de contribuer à son perfectionnement.

L'UTILISATION DU RÉPERTOIRE

Le répertoire est divisé en deux sections.

La première section présente l'inventaire des productions audio-visuelles retenues. On y trouvera le titre du document, l'essentiel du résumé, le type de support et les références (codées numériquement).

Quant aux références, on y retrouvera le nom du distributeur (D), celui du producteur (P) et de la source (S). Notons que la source est le principal élément de références qui a permis de construire ce répertoire.

La deuxième section du répertoire donne la liste des références pour fins de location ou d'emprunt.

Finalement, la classification retenue s'inspire des profils de l'enseignement professionnel.

Serge Fortier
Coordonnateur du Projet

RÉFÉRENCES

MEQ — La formation et le perfectionnement des maîtres en moyens d'enseignement, série document d'information, Direction du matériel didactique, novembre 1980, cahier no.4 (16-4315-04).

MEQ — Rapport synthèse, Enseignement professionnel, série Document d'information, Direction du matériel didactique, février 1981, cahier no.3 (16-4315-03).

MEQ — Modalités d'acquisition de la formation (document no.3), Secteur de la planification, Direction des politiques et plans, Mars 1980. (étude réalisée par CEGIR INC.).

(PPMEP) — Bulletin d'information du PPMEP, vol. 1 no.4 (compte rendu d'un colloque régional en Initiation à la Technologie: projets de regroupement des maîtres et d'inventaire des moyens d'enseignement), PPMEP, UQAH. Janvier 1981.

LISTE DES ABREVIATIONS

MEDIUM	M
TEMPS	T
NOIR ET BLANC/COULEUR	NB/C
DISTRIBUTEUR	D
PRODUCTEUR	P
SOURCE	S

VIDEOCASSETTE	VC
MINUTE	MIN.
COULEUR	COUL.
NOIR ET BLANC	N&B
16 MM	16MM
SANS DATE	S.D.

DIAPOSITIVES	DIA.
DIAPORAMA (CASSETTE)	D.C.
CASSETTE	CAS.
35 MM	35MM
BANDES MAGNÉTIQUE	B.M.
FILM EN BOUCLE (FILMLOOP)	FB
FILM FIXE (FILMSTRIP)	FF
CADRE	CD
EN MAIN	*
TRANSPARENT	TR.
RECORD	REC.
SUPERPOSER (OVERLAYS)	SPR

SECTEUR HYDROTHERMIE

705 MÉTIERS.....2

710 TOLERIE.....5

710.1 OUTILS MANUELS.....12

710.3 MACHINES OUTILS.....15

710.5 FABRICATION MANUELLE.....23

710.7 FABRICATION MÉCANIQUE.....26

710.9 MATHÉMATIQUES EN TOLERIE..27
(INSTRUMENTS DE MESURE & MÉTHODES)

715 SOUDAGE.....28

715.1 OXYACETYLÉNIQUE.....34

715.2 ARC ÉLECTRIQUE.....37

715.3 BRASAGE.....40

715.4 DES TUYEAUX.....41

715.5 AUX GAZ INERTES.....42

715.6 MATHÉMATIQUES EN SOUDURE..44

715.7 INSTRUMENTS DE MESURE & MÉTHODES.....

715.8 LECTURE DE PLANS DE SOUDAGE.....

715.9 ÉQUIPEMENT (OUTILS).....

720 FORGEAGE.....45

725 CHAUFFAGE ET CLIMATISATION.....46

725.1 INSTALLATION.....47

725.3 CHAUFFAGE AU BOIS.....

725.7 ESTIMATIONS.....

730 PLOMBERIE.....48

730.2 APPAREILS SANITAIRES.....

730.6 TUYEAUX DE PLOMBERIE.....50

735 FONDERIE - MOULAGE.....

735.2 OUTILS.....51

740 MÉTALLURGIE.....52
(PROPRIÉTÉ DES MATÉRIAUX)

740.1 FONDERIE.....
740.2 RESISTANCE DES MATÉRIQUX....
740.3 CORROSION MÉTALLIQUE.....
740.4 FABRICATION DES RESSORTS....
740.5 CONSTRUCTIONS MÉTALLIQUES...
740.6 ALUMINIUM.....
740.7 CHARPENTES MÉTALLIQUES.....

745 SERRURERIE.....

750 REFRIGÉRATION.....56

755 CHAUDRONNERIE.....

760 STRUCTURES.....
760.2 BÉTONS.....58
760.5 RÉSISTANCE AU FEU.....

765 SANTÉ & SÉCURITÉ.....59

770 LES MINES.....62

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Above ground iron mine	"Shows the activities of an auto demolition and recycling plant." (1972)	Film 16MM	10 min.	coul.	0	88	198
Bench metal work	"Explains the basic skills of bench work, including cutting metal, filing, grinding, bending, twisting, drilling, and making threads. Attention is given to shaping the ends of material, fastening pieces together by riveting, and the different finishing processes for metal." (1971)	fb dis. ou cas.	30 min.	coul.	193	132	193
L'outil	"Portrait du québecois a travers sa culture matérielle. La société traditionnelle possède un grand nombre d'artisans bien équipés. Mais le bel outil français se brise et l'artisan le remplace. Les outils et les techniques sont en évolution perpétuelle; l'artisan, face a des contraintes, invente l'outil qu'il lui faut. Commentaires d'un forgeron. Présentation des différents corps de métier d'hier et d'aujourd'hui." (1976)	Film 16MM	28 min.	coul.	0	130	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Bridge construction	"A film showing the work of the pile drivers, marine divers, and wharf, dock and pier workers in bridge construction." (s.d.)	Film 16MM	21 min.	coul.	0	158	197
Canadian policy conference	"Excerpts from opening speeches of union leaders to delegates to the 36th Annual United Steelworkers Policy Conference. (...) For use on U. of T. campus only." (s.d.)	vc cas.	25 min.	n&b	0	95	241
Careers in mining	"The film outlines job opportunities in the mining field in Canada." (1972)	Film 16MM	26 min.	coul.	0	98	216
Case studies: plastic and steel	"Three men involved in designing and building some steel-framed, plastics - clad blocks of high-rise flats in London discuss their points of view." (s.d.)	Film 16MM	-	n&b	68	68	68
Grinder and buffer	"This film covers use of the bench grinder including grinding wheel selection and types, changing of the wheel proper adjustment of the tool rest, and correct grinding procedures. Also shown are use of the portable hand grinder and use of the cup-shaped wheel, typical buffing wheel installation, the buffing compounds available and safety practices during buffing." (s.d.)	Film 16MM	15 min.	coul.	10	10	10
Jobs in the sheet metal trades	"Flow locations are shown to demonstrate the variety of this trade - aviation metal shop, a mechanical contractor's shop, custom built cabinet work, and metal sign shop where huge electric alphabets are formed in a combination of metal and plastic. The film concludes with further discussion of the new adjunct plastics	Film 16MM	9 min.	coul.	223	148	223

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: Jobs in the sheet trades)	in the sheet metal trade. (1970						
Layout tools and methods (série: hand operations - metalwork)	"Emphasizing accuracy, features of the steel rule, thickness gauge, and try-square are shown in close-up. Action covers the use of dividers, hermaphrodite calipers, scriber, prick punch, and centre punch. Transferring layouts to metal demonstrated with the scriber, prick punch, carbon paper, or layout inks." (s.d.)	Film 16MM	14 min.	coul.	102	102	102
Opportunities in welding	"Many kinds of welding are demonstrated such as manual, spot horizontal, automatic track rod; and the film shows the enormous range of job situations open to a welder all the way from the small shop to plate and girder welding on sky scrapers." (1970)	Film 16MM	8 min.	coul.	223	148	223
L'ouvrier qualifié	"M. Saint-Germain est tourneur dans une usine. Il apprend qu'il sera permuté à la chaine d'assemblage. Les machines remplaceront les tourneurs. Cette nouvelle bouleverse Saint-Germain et ses camarades." (1958)	Film 16MM	27 min.	coul.	0	110	198
Personal adjustement training in a sheltered workshop	"Trainee workshop program shows how supervisory techniques, counseling, casework and medical services can affect behavior and attitudes. Emphasis on creating a better worker rather than developing a skill, and on providing an environment conducive to emotional growth and personal adjustment." (1969)	Film 16MM	27 min.	-	0	107	240

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Portrait of a steel worker	"Lining the river valleys of southwestern Pennsylvania are some of america's most important steel-producing communities. National geographic cameras take students to one of the many steel mills in his region and introduce them to a steelworker and his family. Working along side mammoth machines, each steelworker performs a specialized task in the fiery production process. Like many of his coworkers, our steelworker comes from a family of steelworkers travel to his parents home in a nearby town for one of their frequent family get-togethers." (1981)	Film vc	15 min. 15 min.	coul. coul.	0	111	111
Wayne and Shuster look at technical training in Canada	"A vocational guidance film, designed to enhance the status of technological training, and to demonstrate to industry that training in special skills is available." (1966)	Film 16MM	28 min.	coul.	0	87	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
An introduction to the metal shop	"Views the machine shop area, the hot metal area, the sheet metal area, and the basic principles of metal working. Explains the importance of steel, metal working, and machines in our society, and the need for machinists and fabricators." (1970)	Ff 6I Cd Dis. ou cas.	I5 min.	coul.	I02	I32	I02
Serie Machine shop I (77 tr.)							
- Subset A	"Titles include Lathe series; Lathe parts(test) Lathe-major parts;Parts of a twist drill;Drill press operations; Axes of machine tool movements; Types of milling; Kinds of files; Parts of the micrometer; Micrometer readings; Taper varies with length; Toolbits and turning operations; and Drawing a drilled hole." (s.d.)	Tr. (I3)		coul.	I93	I6I	I93
- Subset B	"Titles include Screw thread forms; A comparison betwenn minor diameter of a nut and a screw; Thread dial indicator; Thread terminology; Spark testing of stell; screw thread nomenclature; Reamers; Collect chuck assembly; Dressing a surface grinder whell; Internal mechanism of an index head; Advantages of a contour cutting band saw; and Shaper cross-feed mechanism." (s.d.)	Tr. (I2)		coul.	I93	I6I	I93
- Subset C	"Titles include Cutting tool action; Alignment of lathe centres; Types of surface grinding(2 parts); Mounting a grinding wheel on a stmight spindle; Correct angle for grinding a twist drill; Keys, keyways, and keyseats; Principle of the quick-return mechanism on a shaper; 3 wire measurement of a thread; Spur gear and	Tr. (I6)		coul.	I93	I6I	I93

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
-(suite) Subset C	terms; Simple gearing; Compound gearing; and Vernier Caliper scale." (s.d.)						
- Subset D	"Titles include Iron carbide equilibrium diagram; Nomenclature of mill-cutter; V dies (press-brake); Centerless grinding - primary elements; Cutting action of a grinding wheel rotating against cutting edge; Grinding a milling cutter using a cup wheel rotating away from cutting edge; Plain weel rotating away from cuttin edge; Leading and following angles of a square thread tollbit; Bevel gear nomenclature and formulae; Worn gear nomenclature and formulae; Milling machine setup for linear graduating; Parts of a piercing of blanking die; Die set nomenclature- open and closed; Relationship of piece part and stock strip(blanking operation); Angular clearance of a dieblock; Die forming; and binding action of V dies." (s.d.)	Tr (I9)		coul.	I93	I6I	I93
- Subset E	"Titles include Powder metallurgy; Electric discharge machining process; Basic electrode tool(E.C.M.); Machine gap(E.C.M.); Electrochemical machining(E.C.M.); System; Sand casting; Optical flats; Band patterns(optical flats); Surface finish symbols; Surface finishes; Pyrometer; Coordinate system #I - jig boring dials; coordinate system #2 - conventional dimensioning; Coordinate system #3 - location at 0-0; Coodinate system #4; Coordinate system #5 - negative valves; and coordinate system #6 - preferred form." (s.d.)	Tr (I7)		coul.	I93	I6I	I93

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: sheet metalworking full reference library)	hacksaw; The metal cutting bandsaw; Setting rivets; Removing a revet; Forming lap seams; Forming a Pittsburgh lock; Tinning a soldering copper; Soldering a seam; Forming a flat slip; Capping a cylinder; Wiring edges; and making a dovetail joint." (s.d.)						
Working with sheetmetal, Part 1	"Titles include laying out a box; layout using a drawing overlay; Using tin snips; Common types of tin snips; The chassis pinch; The levered hand punch; Preparing the soldering copper; Using the soldering copper, installing blind or pop rivets; and riveting." (s.d.)	10 fb each title (super 8 tech)		coul.	193	162	193
Working with sheetmetal, Part 2	"Deals with fastening, folding and drilling on the sheetmetal machine, stressing safety. Titles include the box and pan brake - Adjusting the clamp-bar tension; Adjusting bend clearance and stop; Making common bends using the brake; Using the brake to make a box; The bending machine; Installing and adjusting beading rolls; Making a single bead; Wire an edge, part 1 - Setup; Wiring and edge, part 2- Installing wire; and crimping." (s.d.)	10 fb each title (super 8 tech. or kodak)		coul.	193	162	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Série: Machine shop 2 (59 tr.)							
- Subset F	"Titles include outside and inside calipers; Dividers and hermaphrodite calipers; Tapping; Slot cutting - three methods; The use of Milling cutters (3 parts); Steps in milling a dovetail slot; steps in Milling a t-slot; Key; keyways, and keyseats; Pratt and Whitney Key; Woodruff Key; Vernier scale; The raw materials of steelmaking; The blast furnace; The open hearth method of making steel; The basic oxygen process for making steel; and the electric arc process for making steel. Prepared by R.G. Dows, Jr.,R.E. Evans, and H.H. Peltomaki." (s.d.)	18 tr. spr.	-	coul.	193	161	193
- Subset G	"Titles include Nomenclature of Anti-Friction bearings: Nomenclature of tapered roller bearings; The use of a sine bar to check a taper; A comparison of comparators; Lay directions and symbols; The comparison of surface finishes; surface measuring: Enlarged; Electrolytic grinding; Die casting: submerged plunger type; Die casting: Cobl-Chamber type; A tensile tester; Tensile testing; An impact tester; Rotating beam fatigue tester; The principle of the rockwell test (2 parts); Differential depth measurement diagram; The brinell hardness tester; The measurement of a Brinell Hardness test; Jominey end Quench test; Ultrasonic test; and physical characteristics affecting machinability. Prepared by R.G. Dows, Jr., R.E. Evans, and H.H. Peltomaki." (s.d.)	22 tr. spr.	-	coul.	193	161	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
- Subset H	"Titles include introduction to hydraulics; Pascal's Law; A basic hydraulic circuit; A receprocating pump; A rotary gear pump; A valve pump; A plunger-type pump; A rotary directional valve; A directional control valve of the spool type; A simple relief valve; A foot valve; A two-way valve in a liquid flow system; A four-way valve in a liquid flow system; A hydraulic cylinder; Piston drive systems; A piston-type reverse valve; An automatic hydraulic circuit; A hydraulic circuit; and hydraulic milling machine circuit. Prepared by R.G. Dows, Jr., R.E. Evans, and N.H. Peltomaki." (s.d.)	19 tr. spr.	-	coul.	193	161	193
Machine tools	"Introduces the basic machine tools by examining commonly used processes, the component parts and controls, and the necessary safety measures. Titles include The drill press 1; The drill press 11 - Countersinding, tapping, round stock; Turning between centers - setting up; The center lathe - turning between ceaters; The center lathe - chuck-mounting cutting; The vertical milling machines; The horizontal milling machine, the surface grinder; and the shapper." (s.d.)	1fb each title (1 Super 8 tech or kodak)		coul. coul.	193	53	193
Métal - travail à la machine: fixation des métaux	"Il y a plusieurs sortes de rivets et de marteaux pour faire les joints de la tôle. On trace correctement la pièce, on utilise le pointeau, on aligne la pièce et on perce les trous. On présente l'emploi des vis, des boulons, des vis qui taraudent leur propre trou, des vis à métal et des vis à tête ronde. On montre la soudure par point en utilisant un appareil portatif. Finalement, on explique les quatre étapes de la soudure - la mise en	Film 16MM	13 min.	coul.	81	102	81

TITRE	RESUME	SUPPORT			REFERENCES		
	place des pièces, la soudure proprement dite, la fixation et l'arrêt." (s.d.)	M	T	NB/C	D	P	S
Série: Sheet metal							
- Making a five piece elbow	"Shows the use of patterns and steps in laying out the elbow gores, types of snips, and the squaring sheer." (1969)	Film 16MM	14 min.	coul.	0	102	197
- Pattern development	"Principles of parallel line development, triangulation and radial line development are explained." (1969)	Film 16MM	14 min.	coul.	0	102	197
Sheet metal work	"Layout, cutting sheet material, bending, making hems, seams and joints and fastening sheet metal. Illustrates the bench anvils, squaring sheer, box and pan brake, and the roll forming machine." (1971)	Ff (1 record or cas.)	30 min.	coul.(+ ou -)	193	132	193
- Advanced equipment	"Making a funnel from 16-gage sheet metal is the vehicle for teaching, step by step, use of the floor shear, electric shears, Rotex turret punch, and several common sheet metal stakes. The hatchet stake is used to form the bends for the funnel-edge clamping joint. With a rubber mallet and the blowhorn stake, the proper curvature is achieve. Then, on the anvil horn, the funnel edges are joined. As the spout is made, the rotary machine is demonstrated with its d. .erent sets of rollers. Using the turning roller, a seat is prepared to receive the funnel's wire. The wire is inserted and the seat closed. Finally, the Beverly battery shear is demonstrated, cutting heavy rods and the thick wings for a metal owl sculpture; and use of the sliproll is explained, with detailed instruction on adjustments, clearance, and slow increase of pressure as the work is curved." (s.d.)	Film 16MM	8 min.	coul.	81	2	81

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
- Basic equipment	"Creating a 12" square dust pan is the project used to demonstrate the basic tools and techniques of working with sheet metal. From cutting a standard 3' X 8' sheet of 24 gage material with the floor shear through marking and cutting out the pattern to use of the bar folder and Cornice brake the film shows step by step the purposes and operation of each piece of equipment. In addition, the film provides useful tips at each stage and emphasizes efficient work practices and claenup. Spécial attention is paid to safety habits with each tool and in handling the sharp-edged material. Finally, the film shows how the box and pan brake can form a variety of box or a small cabin for a model metal boat. A helpful introduction to the use and possibilities of basic sheet metal equipment." (s.d.)	Film 16MM	8 min.	coul.	81	2	81
Sheet metalworking full reference library	"Titles include soldering equipment; Tinning metal; Hard soldering; Layout using the marking gage; Laying out radii; Foot squaring shears; Bar folder; Scribing parallel to an edge; Sheet metal rivets; Cutting with tin snips; Cutting with aviation snips; Using Locking pliers; Setting up the small hand punch; Making holes with the small hand punch; Using the electric drill; Drill press metalworking operations; The standard brake hand forming; The box and pan brakes; Using abrasive cloth for hand polishing; Filing an edge square; Making a hole with the knockout punch; The split-roll former; The Phillips head screw driver; Fastening with sheet metal screws; Fastening with blind rivets; Bending sheet metal; Using a cold chisel to make a cutout; Combination snips; Using the center-punch; Using the hacksaw; A special use of the	45 fb each title (super 8 tech)		-	193	84	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
The band saw (série: machine operations)	"Illustrates the process and operations of the machine. Titles include Installing the blade; Adjusting the blade guides; Curve Cutting; Straight cutting; and Metal cutting on the Band saw." (s.d.) (cassette et film disponible individuellement)	1 fb each title coul. 1 cas. each title (Super 8 tech. or Kodak)	193	42	193
Cisailles et pinces coupantes	"On montre les techniques de couper la tôle à l'aide de cisailles. Il y a la façon de tenir les cisailles, la grandeur et l'angle de la coupe. On voit l'utilisation de plusieurs sortes de cisailles: universelle, à chantourner et aviation. Le film met toujours l'accent sur la sécurité, surtout dans la démonstration finale qui présente le fonctionnement de la cisaille guillotine à pédale. Egalement disponible en anglais "Snips and Shears"." (s.d.)	Film 16MM 13 min. coul.	52	102	52
Hand tools for melalworking	"This film provides a complete introduction to the correct choice and proper use of the most common metalworking hand tools. As each family of tools is introduced, detailed demonstrations for each individual tool are given showing the techniques for most effecient results. Safety practices are emphasized at each step of preparation and tool use." (s.d.)	Film 16MM 25 min. coul.	10	10	10
How to use hand boring tools	"Single concept loops demonstrating the proper use of hand boring tools. Titles include Their Purpose; Common types; Bits and drills; Parts of the auger bit; Parts of the Bit Brace Using a Brace & Bit; Chucks & Ratcheting; and Doweling Jig & Depth Gauge. Visual instruction productions." (s.d.)	1 fb each title coul. 1 cas. each title (Super 8 tech. or Kodak)	193	167	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
How to use planes	"Presents various types of planes including block planes, duplex rabbet, side rabbet and router planes. Includes use, adjustments, and sharpening techniques. Visual instruction productions." (s.d.)	Film 16MM 1 vc 1 Super 8 tech.	12 min. 12 min.	coul. coul. coul.	193	167	193
Fastening metals (série: Machine operations metalwork)	"Various rivets and hammers are shown with a demonstration of metal joining." (1967)	Film 16MM	13 min.	coul.	0	102	197
Série: Hand operations-metalwork - Metal files	"The parts of a file are shown, as well as various shapes and tooth configurations. Actions cover techniques in working with machinists files, flat files, half-round and round files, square and three-square files, mill files, curved tooth files, jeweller's and Swiss-pattern files. Fitting a handle is shown, and points of file use, care and storage are stressed." (s.d.)	Film 16MM	13 min.	coul.	102	102	102
- Snips and shears	"Techniques of sheetmetal cutting shown with straight snips." (1967)	Film 16MM	13 min.	coul.	0	102	197
Metal cutting chisels (série: care and use of hand tools)	"Shows correct uses of the cold chisel, cape chisel, diamond point and half-round chisel, cutting action and how they are sharpened." (s.d.)	Film 16MM	4 min.	b&n	0	157	234
Power hacksaw and band saw	"The power hacksaw is used for cutting heavy gauge metal, and the band saw is designed for cutting lighter gauge metal. The correct technique of accurate cutting with each machine	Film 16MM	12 min.	coul.	10	173	10

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: Power hacksaw and band saw)	is demonstrated, emphasizing safety practices and proper maintenance of the saw and blades." (s.d.)						
Riveting and bolting	"Explains correct techniques, tool care, basic principles, and safety practices involved in the two most common types of metal joining. Combines live action filming and animation. Titles include Cold Riveting; Blind riveting; Using Bolts; Bolt heads; Bolt shanks; Washers; Thread helical forms; Thread section forms; Thread cutting by machine; Thread cutting by hand (external); and thread cutting by hand (internal)." (s.d.)	1 fb each title 1 super 8 tech or kodak		coul. coul.	193	53	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
Drill press series	"Titles include introducing the drill press; Drill in flat stock; Drawing the drill back to center; Drilling a blind hole; Drilling through the center of round stock; Reaming on the drill press; Countersinking on the drill press; and drilling large holes on the drill press." (s.d.)	10 fb(I each title) (super 8 tech. or kodak) coul.	193	162	193
The engine lathe	"Titles include changing chucks; The lathe's tailstock; Facing on the lathe; The center hole; Drilling and reaming a hole; Using the micrometer dial; Longitudinal cuts: Turning and measuring; Longitudinal cuts: Carriage stop limits: Taper turning: Compound rest; Finishing work on the lathe; Starting a tap squarely; Starting a die squarely; aligning centers; Holding work between centers; using collets; the barting tool; truing work: A four-way chuck; Boring; Threads: Setting up, and threads: Chasing." (s.d.)	20 fb(I each title) (super 8 tech. or kodak) coul.	I93	84	I93
Serie; Engine lathe skills full reference library	"Titles include Carriage and feed operations; Power train; Personal safety and machine care; tailstock; Drilling with lathe; Drilling a center hole; Drilling and reaming a hole; Measuring longitudinal cuts; Filing and polishing ; Starting a tap; Starting threads with a die; Setting up to cut a thread; Cutting a thread ; Mounting a chuck on the lathe; Removing and replacing chucks; Using a three jaw chuck; Holding larger pieces in the three jaw chuck; Using the four jaw chuck: standard truing the four jaw chuck; Precision truing the four jaw chuck; FacingI; Facing II; Setting up for faceplate turning; Setting up collects I; Setting collets II; Standard alignments of centers	45 fb (I each title) (super 8 tech. or kodak) coul.	I93	84	I93

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(Suite; Engine lathe skills full reference library)	; Locating and drilling centers; Precision alignements of centers; Setting up work between centers I; Setting up work between centers II; Setting up a steady rest; Straight outside diameter turning a diameter using the micrometer dial; Straight inside diameter turning (boring); Boring a hole; Simple taper turning with the lathe compound rest; Turning a taper with a taper attachement; Turning a taper using the offset method; Taper turning by offseting the tailstock; Using a parting tool I; Using a parting tool II; Setting up for knurling; Knurling and making the knurl." (s.d.)						
How to operate a vertical milling machine	"Uses the clausing vertical milling machine to demonstrate use of the machine in milling cavities of different shapes, machining of angular surfaces, drilling, and boring." (1970)	Ff (74 cd) (dis. ou cas.)	28 min.	coul.	I93	I32	I93
How to operate the engine lathe, Part I	"Identifies the major parts and explaines the functions of the engine lathe. Includes locating and drilling center holes, mounting work between centers, doing rough, smooth and shoulder turning, the knurling process, and using the 3-jaw chuck." (1971)	Ff (dis. ou cas.)	30 min.	coul.	I93	I32	I93
How to operate the engine lathe, Part 2	"Explains how to grind a form tool, determine correct spindle speed, turn a taper between centers, line up centers accurately, file work in the lathe, use the chuck in the tail stock cut threads using a tap or die, and read and use the outside micrometer." (1971)	Ff (dis. ou cas.)	30 min.	coul.	I93	I32	I93
How to operate the shaper	"Uses an 8-inch logan shaper to explain raising and lowering the table, making feed adjustments setting speed of the ram and the cut, adjusting the tool head and clapper box for machi-	Ff (91 cad.) (Dis. ou Cas.)	27 min.	coul.	I93	I32	I93

TITRE	RESUME	SUPPORT	REFERENCES
		M T NB/C	D P S
(Suite; How to operate the shaper)	ning the tool head and clapper box for machining various surfaces, and correlating the shaper's calibration with the dimensions of the projet." (1970)		
The lathe explained	"Six part pragram explaining the lathe and its uses. Its basic parts include the bed headstock, gear box, leadscrew, carriage, cross slide compound slide and tailstock. Setting up work explains morse taper holes, work holding centers, alignment, lathe dog, large face plate, etc. Its accessories examines different jaw chucks and other attachements. Work operations on 3 & 4 jaw chucks. Three ways to a taper, and cutting a thread give step-by-step procedures." (s.d.)	6 Ff coul. (6 dis. ou 6 cas.) Guide du maître	I93 I6 I93
Serie : Machine operation			
- Basic operation, Group 3	"Illustrates the process and operations of the machine. Titles include Facing; Straight Outside diameter turning; Straight inside diameter turning(boring); and simple taper turning with the lathe compound." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech. ou kodak)	I93 42 I93
- The belt sander	"Illustrates the process and operations of the machine. Title include Selecting and changing the abrasive belt; Controls and ajustments, part I; and Controls and ajustments, part 2." (s.d.)	Ff(I each title) coul. Cas. (Super 8 tech. ou kodak)	I93 42 I93
- The disc sander	"Illustrates the process and operations of the machine. Titles include Using the disc sander, part I; Using the disc sander, part 2;and Using the sisc sander, part 3." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech. ou kodak)	I93 42 I93

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
- Drill press	"Illustrates the process and operations of the machine. Titles include Sizes and nomenclature ; Parts and controls; Additional types; Wood-working operations." (s.d.)	Fb(I each title)coul. Cas. (Super 8 tech. or kodak)	I93	42	I93
- The milling machine	"Illustrates the process and operations of the machine. Titles include Milling machine; The Vertical mill - operating controls; The horizontal milling machines; and Using Power feeds on mills." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech or kodak)	I93	42	I93
- Other setting up methods, Group 2	"Illustrates the process and the operations of the machine. Titles include Setting up for face plate turning; Using the draw bar & collet; Locating and drilling centers; and Setting up work between centers." (s.d.)	Fb(Ieach title) coul. Cas. (Super 8 tech. or kodak)	I93	42	I93
- Setting up work for the lathe chucks, Group I	"Illustrates the process and operations of the machine. Titles include Mounting a chuck on the lathe; Using the three jaw chuck; Holding larger pieces in the three-jaw chuck; and Using the four-jaw chuck." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech. or kodak)	I93	42	I93
- Special applications Group 5	"Illustrates the process and operations of the machine. Title include Taper turning with a taper attachment; Taper turning by off-setting the tailstock; Using the parting tool; Setting up for knurling and making the knurl." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech. or kodak)	I93	42	I93
- Toll grinder	"Illustrates the process and operations of the machine. Titles include Basic parts; Safety precautions; Basic operations; Dressing the wheels; Sharpening various cutting tools; The plane blade grinding attachement; Grinding twist drills; Twist drills grinding attachement; and Grinding metal lathe Tool bits." (s.d.)	Fb(I each title) coul. Cas. (Super 8 tech. or kodak)	I93	42	I93

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Série: Machine operations - Metalwork							
- Lathe - chuckwork	"The lathe is introduced, showing the bed, the headstock, tailstock, carriage, compound rest and tool post. Three-jaw universal and four-jaw independent chucks are demonstrated. Chucking work is shown from reference point, throught straight turning, diameter checking, and calculating material to be removec to produce the finished diameter. Use of centre drill and counter-sink, drilling and taper turning. Filing, polishing." (s.d.)	Film 16MM	12 min.	coul.	102	102	102
- Lathe - work between centres	"Finding centres of end of stock, marking, and aligning between centres. Turning one face for reference point, rough cutting, and using automatic longitudinal feed. Knurling tools and techniques, taper turning from large to small diameter using the set-over tailstock mathod." (s.d.)	Film 16MM	13 min.	coul.	102	102	102
- Sheet metal	"Demonstrates the adjustable bar folder making single and double hems, turned edge for wire, and the open lock. The standard brake and the box and pan brake in use, with techniques of laying out, positioning, and operating. Cylindrical shapes made with the slip-roll former." (s.d.)	Film 16MM	12 min.	coul.	102	102	102
Série: Machine shop							
- Drill press	"Acquaints students with basic techniques before they actually start work Titles include Let's take a better look at the drill press; Countersinking; Starting a small tap squarely; Drilling in round stock; Irregular shaped	8 fb (super 8 tech,	-	- 4 min.coul	193	93	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
	clamped in vise; Counterboring; Drilling a hole; and pilot drill." (1967)						
- Elementary engine lathe, I	"Acquaints students with the background they need before actually starting work. Titles include carriage and feed operations; Power train; Personal safety and machine care; Removing and replacing chucks; tailstock; Facing work; Turning a diameter using the micrometer dial; Drilling with the lathe; Drilling a center hole; Drilling and reaming a hole; Measuring longitudinal cuts; Filing and polishing; starting a lap; and Starting threads with a die." (1967)	14 fb (super 8 coul.)	tech. 4 min.	-	193	93	193
- Elementary engine lathe, II	"Acquaints students with basic techniques before they actually start work. Titles include Knurling; Using a parting tool; Setting up collets; Standard alignment of centers; Precision alignment of centers; Setting work between centers; Setting up a steady rest; Boring a hole; Cutting a taper using the compound rest; Turning a taper using the offset method; Setting up to cut a thread; Cutting a thread; four jaw chuck - standard truing; and Four jaw chuck - precision truing." (1967)	14 fb (super 8 coul.)	tech. 4 min.	-	193	93	193
Metal spining techniques	"Explains how to make projects using the spining process, the basic parts of the spining lathe, and the techniques involved in metal spinning." (1971)	1 fb 1 rec. ou cas.	30 min. coul.		193	132	193
Série: Métal - travail à la machine							
- La perçeuse sur colonne	"Le film présente les parties de la perçeuse - la base, la colonne, la table porte-pièce, le	Film 16MM	12 min. coul.		81	102	81

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: la perçeuse sur colonne)	mécanisme de tête et le moteur qui actionne le tout. On peut trouver sur la perçeuse une jauge de profondeur pour les trous et un mandrin avec ou sans clavette. On voit différents forets, la préparation pour le perçage, l'agraphage des blocs en "V" des étaux et des gabarits. On aligne le métal à l'aide d'une marque faite par un pointeau et puis on le fraise. (Egalement disponible en anglais)." (s.d.)						
- Tour - mandrin	"Ce film présente le tour et ses parties - le banc, la poupée, la contre- poupée, le chariot et le support d'outil. Il y a aussi le mandrin universel à trois mords et celui à quatre mords indépendants. On voit le mandrinage, le cylindrage, la vérification du diamètre et la calcul du métal qu'il faut enlever. Il y a aussi une démonstration du foret à centrer, de la fraise, du perçage, du tournage conique, du limage et finalement du polissage. (Egalement disponible en anglais)." (s.d.)	Film 16MM		12 min. coul.	81	102	81
- Tour - travail entre les pointes	"Le film montre comment trouver le centre des bouts du métal et de faire l'alignement entre les pointes. On tourne une face pour établir le point de référence puis on fait la première coupe en se servant du mécanisme automatique pour la coupe longitudinale. On présente les techniques de moletage et de tournage pour obtenir un diamètre conique avec le déplacement de la contre-poupée. (Egalement disponible en anglais)." (s.d.)	Film 16MM		13 min. coul.	81	102	81

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
- Travail à la machine - tôle	"On montre la plieuse à barres réglables pour faire des bords simples et des bords doubles, il y a aussi des rainures pour recevoir un fil de métal et le frein réglable. On plie le métal et on fait les bords à l'aide d'une plieuse. On voit comment tracer les matériaux, les mettre en position et manoeuvrer la machine. Finalement, on montre la cintreuse de feuilles pour les formes cylindriques. (Egalement disponible en anglais)." (s.d.)	Film 16MM	12 min.	coul.	81	102	81
Milling machine explained	"Six-part program explaining the milling machine and its uses. Titles include: Its basic parts; Setting up; Accessories & work samples; The universal milling attachment; The dividing heak; and Work on the dividing head." (s.d.)	6 Ff 6 rec. or 6 cas. (teacher's guide)	-	-	193	16	193
Sharpening chisels, plane irons, gouges	"Demonstrates dressing the grinding wheel and re-surfacing a glazed and worn oil stone." (1967)	Film 16MM	12 min.	coul.	0	102	197
Tours to keep and protect	" A new film on punch press safety will be available for distribution later in 1977. This film is suitable for all levels of management and operators. Various types of modern safety devices are shown, with emphasis on die design guarding and safety controls." (1977)	Film 16MM	6 min.	coul.	74	74	74

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Construction d'un coude en cinq sections	"On montre le gabarit utilisé pour tracer les cinq sections du coude et les cisailles nécessaires pour la coupe des sections. Il y a une démonstration de la plieuse de feuilles, de la plieuse de bords, de la formation des bords simples et des bords doubles et finalement, on voit l'assemblage des sections pour compléter le coude. (Egalement disponible en anglais)." (s.d.)	Film 16MM	14 min.	coul.	52	102	52
The dovetail fixture	"Shows the parts of the dovetail fixture, how to set up the router, the fixture, and the procedure for making dovetail joints." (s.d.)	Film 16MM (super 8 tech. coul.) vc	13 min. 13 min. -	coul. coul.	193	167	193
The dovetail fixture	"This film produced by the Stanley tool Company of the U.S.A. gives clear and detailed instruction in the proper use of the dovetail fixture, an accessory used with a router when making joints for drawers." (1968)	Film 16MM	13 min.	coul.	74	146	74
The dovetail fixture series	"Single concept loops on the correct use of the dovetail fixture. Titles in clude Dovetail fixtures: Router setup; Dovetail fixtures; Parts & fixture setup; Dovetail fixture: Cutting the joint; Dovetail fixture: Cut adjustments; Dovetail fixture: Drawer assembly; Dovetail tixture: Rabbeted drawer; and Dovetail fixture: Procedures ans Safety." (s.d.)	1 fb (super 8 tech. or kodak)	each title	-	193	167	193
Making a five-piece elbow	"Shows the use of patterns and steps in laying out the elbow gores, types of snips and the squaring shear, as they are used in cutting the gores. Folding edges on the bar folder,	Film 16MM	14 min.	coul.	102	102	102

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
(suite: making a five-piece elbow)	the use of the slip-roll former, making the seams, turning and burring gore edges and final assembly of the elbow." (s.d.)				
Metalwork - hand operations	"Each film loop isolates a single concept and presents it in live-action photography with captions to emphasize important points. Titles include Measuring and marking tools; Try square dividers, calipers; Scriber, punches, dividers; Transferring design to metal; Layout fluids; straight snips; Combinations snips; Curved blade snips; Aviation snips; foot squaring shears; Sizes, shapes and cuts - files; Type of files; Care of files; Straight filing; Draw filing, fine filing; Soldering equipment; Tinning an iron - soldering; Tinning metal - soldering; Soldering seams; Hard soldering; Welding equipment; Setting up, lighting, shutting down - welding; Making a puddle, running a bead, adding filler - welding; Brazing - welding; Cutting - welding; Forge, thongs, anvil forging on flat; Annealing and hardening - forge; Tempering - forge; and Twisting, bass peening, finishing - ornamental iron." (s.d.)	1 super 8 tech. coul. each title	193	148	193
Série: The sheet metal					
- Hand tool operations, Set I	"Details basic sheet metal tools, their uses and safety precautions. Titles include layout using the marking gage; Laying out radii; Sheet metal rivets; Cutting with tin snips; Cutting with Aviation snips; Using locking pliers; Setting up the small hand punch; Making holes with the small hand punch; Using the electric drill; Making a hole with the knockout punch; The flat blade screw driver; The Philips head screw driver; Fastening with	14 film - - (super 8 tech. 4 min. coul.)	193	93	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: hand tool operations, Set 1)	with sheet metal screws; and Fastening with bling rivets." (1970)						
- Hand tool operations, Set 2	"Details basic sheet matal tools, their uses, and safety precautions. Tities include Bending sheet metal; Using a cold chisel to make a cut out; Setting rivets; Removing a rivet; Forming lap seams; Forming an outside groove seam; Making a single seam; Forming a pittsburgh lock; Tinning a soldering copper; Soldering a seam; Formain a flat slip; Capping a cylinder; Wiring edges; and making a dovetailed joint." (1969-70)	14 film (super 8 tech.)	4 min.	coul.	193	93	193
- Making a 5 - piece elbow	"Titles include planning: Layout; Cutting; Folding edges; and forming and seaming." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Metal - machine operations	"Each film loop isolates a single concept and presents it in live-action photography with captions to emphasize important points. Titles include introduction and parts - lathe; Mounting chucks and types - lathe; Chucking work-lathe; Taper turning and drilling - lathe; Filing and polishing - lathe; Setting up work between centers - lathe; Turning work between centers - lathe; Knurling - lathe; Taper turning - lathe; Filing and polishing - lathe; Introduction and parts - drill press; Twist drill - types and insertion - drill press; Laying out for drilling - drill press; Clamping set-ups - drill press; Drilling and countersinking - drill press; The bar folder - sheet metal; The standard brake - sheet metal; Hand forming - sheet metal; The box and pan brake - sheet metal; The slip-roll former - sheet metal; Riveting; Blind rivets; Fasteners and correct size holes; screws and bolts; and spot welding." (s.d.)	1 fb (super 8 tech.) (each. title)	-	coul.	193	148	.93

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Measuring and layout tools	"Accuracy of measurement and layout are emphasized as the functions and advantages of rules and tapes, squares, etc., are demonstrated." (1967)	Film 16MM	13 min.	coul.	0	102	197
Pattern development (série: sheep metal)	"Titles include Parallel line development: PartI; Parallel Line development: Part II; Radial line development; Triangulation; and Offset tapers." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
Precision measuring tools serie	"Designed to familiarize students with the basic precision measuring tools. Shows in detail how the particular tool is used. Tool care is emphasized, 1. Combination square 2. The depth gauge and inside micrometer 3. Outside micrometer 4. Steel scale - part I - the fractional scale 5. Steel scale - part II - the decimal scale 6. Vernier calip." (s.d.)	Film 16MM	-	coul.	10	184	10

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
Aircraft welding	"Explains and illustrates several aircraft welding techniques for oxyacetylene and electric arc methods. Includes tube welding, seam welding, and several more specialized wire feed methods." (1974)	1 fb (68 cd, coul.) 1 rec. 18 min. 1 cas.	193	91	193
The cutting torch: Flame-cutting	"This film opens with the safety precautions demanded by flamecutting. Conversion of the welding torch for cutting, pressure setting, lighting, and making straight cuts are shown. Use of the torch includes cutting off heavy sections of round bar stock." (s.d.)	Film 16MM 15 min. coul.	184	10	10
Fusion of steel	"Shows how the welding processes have allowed designers more flexibility in the use of steel." (1969)	Film 16MM 20 min. b&n	0	118	198
Série: Hand operations - metalwork					
- Soldering	"Various solders are explained and types of soldering irons demonstrated." (1967)	Film 16MM 13 min. coul.	0	102	197
- Welding	"Parts of the welding equipment are indicated, and the lighting-up procedure is shown. Actions cover adjustment for proper flame, and correct shutting-down procedure. Making a puddle, running a bead, adding filler, brazing, and use of flux, are all covered graphically. Close-ups emphasize finer points, and a final segment shows the torch used to cut metal." (s.d.)	Film 16MM 13 min. coul.	102	102	102

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Heliarc welding of carbon steel pipes	"Demonstrates the heliarc process for welding pipe. An animated sequence shows how the torch operates. Illustrates the joining of heavy walled, large diameter pipe in the flat, vertical and overhead positions." (1972)	Film 16mm	6 min.	coul.	0	92	197
Série: Instrumentation - Flow control devices	"Titles include Flow properties and measurement; Measuring elements: Part I; Measuring elements: Part II; Flow control systems: Part I; Flow control systems: Part II; and Air flow." (s.d.)	1 fb (super 8 tech.) each title	-	coul.	193	148	193
- Presure control devices	"Titles include Bourdon tube, forms; Diaphragm, Bellows, Capsule; Regulators; Pressure distribution systems; Pressure controlling devices; and Controlled devices." (s.d.)	1 fb (super 8 tech.) each title	-	coul.	193	148	193
Introduction to manual heliarc welding	"Demonstrates the heliarc welding process. Shows the parts of a heliarc torch, how it should be handled, and the uses of heliarc welding." (1972)	Film 16mm	6 min.	coul.	0	92	197
Laying of headers, rowlocks and soldiers	"Step-by-step instructions on laying headers, rowlocks, and soldiers, buttering joints, and trowel techniques." (1973)	1 Ff (69 cd) 1 cas. (1 guide)	16 min.	coul.	193	85	193
Macro welding	"Examines welding techniques which come under the general heading of macro or sub-macro techniques, which are done with miniature equipment." (1974)	1 Ff (56 cd) 1 rec. 1 cas. 1 reel tape 3.75ips,5"	15 min. (aud & inaud)	coul.	193	91	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Making a welded y-joint (série: steamfitting)	"Titles include Preparing the branch and header; Making a template for the branch; Making a template for the header; Job method - header layout; Job method - branch layout; and Cutting." (s.d.)	1 fb (super 8 tech.) each title	-	coul.	193	148	193
Mig welding	"Show how safely set up and operate a metal inert gas unit. Also ezplains the jobs which may be handled with this precess." (s.d.)	1 Ff (72 cd) 1 rec. 15 min. aud & inaud 1 cas. aud & inaud 1 reel tape 3.75ips,5"		coul.	193	91	193
Resistance welding, assembly	"Explains and illustrates most spot welding techniques used by modern industry. Includes rocker arm machine, press type, spot welding gun, multiple spot welders for special assembly, and seam welders." (1974)	1 Ff (78 cd) 1 rec. 21 min. aud & inaud 1 cas. aud & inaud 1 reel tape 3.75ips,5"		coul.	193	91	193
Resistance welding, construction	"Concerned with resistance welding in all phases directly connected with the heavy construction and assembly business. Basic resistance welding methods include spot, seam, projection, flash, upset, stud, and percussion." (1974)	1 Ff (68 cd) 1 rec. 18 min. aud & inaud 1 cas. aud & inaud 1 reel tape 3.75ips,5"		coul.	193	91	193
Setting up for welding	"Shows how the spray arc and short arc work, and how to set up the equipment and adjust the shielding gas, welding wire, welding current, and torch in preparation for welding." (1973)	Film 16MM	12 min.	coul.	0	8	198
Soudage par résistance, partie 1	"Le soudage par résistance ou par point. Explication sur: le temps - le soudage - le forçage par point. Egalement disponible en	Film 16MM	9 min.	coul.	52	258	52

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: soudage par résistance, partie 1)	anglais "Resistance welding, elementary". (s.d.)						
Souder en sécurité	"Film sécuritaire sur la soudure à gaz, ce documentaire sera très utile pour l'entraînement de nouveaux soudeurs et rafraîchira la mémoire des gens qui font déjà ce métier. Revue complète des cylindres, comment les reconnaître par le code des couleurs, comment manipuler, comment vérifier les fuites. Cas: Revue sur les propriétés respectives de l'oxygène, de l'acétylène et du gaz." (s.d.)	Film 16MM	22 min.	coul.	52	258	52
Soudure	"Le film présente en détail la préparation des joints pour soudure à l'arc électrique et donne la bonne position du corps durant le travail. Les démonstrations présentent la soudure montante et descendante, la soudure cylindrique et la soudure verticale." (1969)	Film 16MM	13 min.	coul.	245	245	245
Soudure 1	"Le film explique et démontre plusieurs sortes de soudures et de fer à souder. On compare le fer à souder électrique et celui chauffé au four. On donne l'importance de garder le fer propre en utilisant un décapant sur le fer et sur la pièce à souder. On montre comment faire un joint et comment se servir de la lampe à souder pour le brasage. (Egalement disponible en anglais "Soldering")." (s.d.)	Film 16MM	13 min.	coul.	52	102	52
Soudure 2	"On voit les parties du matériel à souder et comment allumer une lampe à souder. On présente la manière d'ajuster la flamme et comment fermer les valves lorsque la soudure est terminée. Il y a aussi le bain de fusion, le cordon de soudure, le brasage et l'utilisation	Film 16MM	13 min.	coul.	52	102	52

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: soudure 2)	du décapant. Les gros plans présentent les détails de la soudure et finalement on voit le chalumeau qui sert à couper le métal. (Egalement disponible en anglais "Welding")." (s.d.)						
Training in welding	"12 films from Audio-Brandon. Each film treats the topic in the title with extreme clarity. It uses demonstration and animation, and shows both the basic technique and the wide number of applications for that technique. The air-acetylene flame - 1972 - 10 min. Braze welding - 1972 - 13 min. Flame cutting - 1973 - 11 min. Flame grooving - 1973 - 10 min. Flat and horizontal welding - 1973 - 12 min. Fusion welding - 1973 - 10 min. Fusion welding of light gauge steel - 1973 - 11 min. Hard facing - 1973 - 10 min. Heliarc welding of carbon steel pipe - 1973 - 10 min. Introduction to manual heliarc welding - 1973 8 min. Setting up for welding - 1973 - 12 min. Vertical and overhead welding - 1973 - 10 min." (1972)	Film 16MM	-	coul.	183	92	183
Vertical and overhead welding	Demonstrates mig welding techniques. Shows how to make vertical fillet and prepared butt welds, and overhead fillet and prepared butt welds." (1972)	Film 16MM	10 min.	coul.	0	92	197
Welding	"Presents information on tools and welding symbols and illustrates basic arc welding techniques. Includes welding ice, steel ingot-weld, soldering, color codes, electrode chart,	27 tr	-	coul.	193	162	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: welding)	weaving, bead faults, welding joints, symbols cutting, common types of welding, etc." (s.d.)						
Welding: an introduction program	"Presents necessary theory and pratical working situations. Developed in cooperation with the Southern California Regional Occupational Center." (s.d.)	22 Ff 11 rec. or 11 cas. 6 fb 1 guide	-	coul.	193	2	193
Welding and metal work	"Titles include Oxyacetylene - Assembling, testing, lighting blowpipe; Oxyacetylene - Cutting, bronze welding; Oxyacetylene - fusion welding, hard surfacing, etc., Arc welding - process, equipment, and safety; arc welding-flat position welding; and Arc welding - vertical, horizontal and overhead position welding." (s.d.)	6 Ff	-	-	193	168	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
The air-acetylene flame	"Shows basic techniques and a few examples of the many home and industrial uses of the air-acetylene torch flame. Demonstrates proper preparation of metals to be joined or repaired by soldering and the techniques for soldering sheet metal, copper tubing, and electrical cables. Use of the air-acetylene flame for paint removal from wood or metal surfaces." (1972)	Film 10 min. coul. 16MM	0	8	198
Flame cutting	"Shows techniques for oxyacetylene flame cutting of iron and steel. Demonstrates techniques of straight line cutting, shape cutting, beveling and circle cutting." (1972)	Film 11 min. coul. 16MM	0	92	197
How to use the oxyacetylene welder	"Introduces the theory and process of using the oxyacetylene welder. Illustrates methods of handling the butt joint, the lap, the fillet, and the vertical and the cylindrical weld on light and heavier equipment." (1970)	1 Ff (78 cd) coul. 1 rec. 30 min. 1 cas.	193	132	193
Introduction to oxyacetylene welding	"Examines the development and scope of the oxyacetylene flame from 1895. Explains applications for the flame processes, including fusion welding, flame cutting, flame gouging, flame deseaming, profile cutting, and brazing and heating operations." (s.d.)	1 Ff (54 cd) coul. 1 rec. aud & inaud 1 cas. aud & inaud 1 reel tape 3.75ips,5"	193	91	193
Metallurgy - oxyacetylene	"Discusses and illustrates physical properties of low carbon steel, high carbon steel, and various alloys. Include stress, strain, elasticity, elastic limit, tensile strength, torsional strength, shear strength, and fatigue strength." (1974)	1 Ff (68 cd) coul. 1 rec. 18 min. aud & inaud 1 cas. aud & inaud 1 reel tape 3.75ips,5"	193	91	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
Oxyacetylene cutting techniques	"Shows how to set up the equipment and proceed with various industrial tasks, including flame gouging and flame deseaming." (s.d.)	1 Ff (50 cd) coul. 1 cas. aud & inaud 1 rec. 20 min. aud & inaud 1 reel tape, 3.75ips,5"	193	91	193
Oxyacetylene fusion welding	"Includes how to run a good bead, running a bead on a flat plate with rod, making a corner weld, and welding a butt joint." (s.d.)	1 Ff (55 cd) coul. 1 cas. aud & inaud 1 rec. 15 min. aud & inaud 1 reel tape, 3.75ips,5"	193	91	193
Oxyacetylene safety and setup	"Examines safety and setup procedure. Illustrates safety requirements for each operation, including proper hookup and adjustment of cylinder, gauges, and torches for use in fusion welding, flame cutting, soldering, and brazing." (s.d.)	1 Ff (78 cd) coul. 1 rec. 16 min. aud & inaud 1 cas. aud & inaud 1 reel tape, 3.75ips,5"	193	91	193
Oxy-acetylene welding	"Identifies and assembles components and details the operation of the welding torch. Titles include welding dress and safety; Installing the regulators; Attaching the torch; Turning on and testing for leaks; Lighting the torch and shutting down the outfit; Running beads, corner welds; Setting up the cutting attachment; Oxy-acetylene cutting; Cutting a hole; Brazing flux; and Brazing." (s.d.)	12 fb - coul. (super 8 tech. or kodak, coul.)	193	162	193
Série: Oxyacetylene welding - Equipement	"This film describes the equipment that is usually used in bench-type gas welding and brazing. The correct procedures for assembling the equipment, lighting the torch, and adjusting the flame are shown." (s.d.)	Film 16 min. coul. 16MM	184	10	10

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
- Torch techniques	"Exceptional lighting and photography allow the viewer to closely study the correct techniques for running a bead, welding without a rod, adding rod to a butt weld, and brazing." (s.d.)	Film 16MM 19 min. coul.	184	10	10
- Welding steel	"Advanced techniques of gas welding are shown including multiple pass (thick plate) joining, structural section fabrication, and forming horizontal, vertical, and overhead welds." (s.d.)	Film 16MM 14 min. coul.	184	10	10
Oxyacetylene welding: safety and operations	"A teaching film for the welding student, stressing correct procedures and good safety practices." (s.d.)	Film 16MM 15 min. coul.	0	2	197
Oxyacetylene welding vocabulary	"Introduces technical words and jargon used in welding. Gives the word, a picture of the item, the correct pronunciation, and a short explanation." (s.d.)	1 Ff (64 cd) coul. 1 rec. 12 min. aud & inaud 1 cas. aud & inaud 1 reel tape, 3.75ips,5"	193	91	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Advanced electric arc welding	"Titles include Low hydrogen horizontal fillet; L.H. Overhead fillet; L.H. Vertical fillet; L.H. Horizontal butt weld; L.H. Overhead butt weld; L.H. Vertical butt weld; Advanced horizontal fillet; Advanced overhead fillet; Advanced vertical fillet; Advanced horizontal butt; Advanced overhead butt; Advanced vertical butt; and Test plate assembly. Also includes Advanced welding, student text and advanced welding, instructor's guide." (s.d.)	1 fb (super 8 tech.) (livres d'élèves et guide du professeur)	-	-	193	140	193
Arc starting: Flat and horizontal welding	"Demonstrates mig welding techniques. Shows how to strike the arc and carry a weld puddle how to make the horizontal and flat fillet welds, the flat butt weld, and the horizontal prepared butt weld." (1972)	Film 16MM	12 min.	coul.	0	92	197
Arc welding	"Illustrates basic arc welding techniques and contains information on tools and welding symbols." (s.d.)	53 tr. 25 spr.	-	coul.	193	42	193
Arc welding: Safety and operations	"Unes close-up photography to show basic techniques in arc welding, and to demonstrate basic safety procedures." (1970)	Film 16MM	14 min.	coul.	0	2	197
Basic electric arc welding	"Titles incluce The pad weld; The flat fillet; Vertical welding beads; The vertical fillet; Horizontal welding beads; The vertical butt weld; The corner weld; and the tee weld. Also includes Basic welding, student text and Basic welding, instructor's guide." (s.d.)	8 fb (super 8 tech.) (livres d'élèves et guide du professeur)	-	-	193	140	193
Electric arc welding and cutting	"Illustrates basic arc welding and cutting operations. Several projects are demonstrated	1 Ff (77 cd) 1 rec. 13 min.		coul. aud &	193	91	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
(suite: electric arc welding and cutting)	using both DCSP and DCRP rod." (s.d.)	inaud. 1 cas. aud & inaud 1 reel tape, 3.75ips,5"			
Electric arc welding vocabulary	"Gives names and illustrations for items pertaining primarily to electric arc welding." (s.d.)	1 fb (36 cd) coul. 1 rec. 8 min. aud & inaud. 1 cas. aud & inaud. 1 reel tape, 3.75ips,5"	193	91	193
Electric welding safety and setup	"Explains required amperage-voltage, base metal combinations, selection of polarity, choice of type of electric arc for specific applications, and safety factors pertaining to the basic processes." (s.d.)	1 fb (55 cd) coul. 1 rec. 16 min. aud & inaud. 1 cas. aud & inaud 1 reel tape, 3.75ips,5"	193	91	193
Introduction to electric welding	"Presents a briel history of the "stick""MIG," and "TIG" electric welding processes and explains the differences between oxyacetylene and electric arc welding. Also includes electronic spot welding, plasma welding, and equipment such as the motor generator, engine driven generator, rectifier AC/DC arc welder combination, and equipment for "MIG and "TIG"." (s.d.)	1 fb (55 cd) coul. 1 rec. 15 min. aud & inaud. 1 cas. aud & inaud. 1 reel tape, 3.75ips,5"	193	91	193
Metallurgy - Electric arc	"Me.al properties for electric arc methods are the same as for oxyacetylene, with the exception of preheat and cooling times. Base metal charecteristics are changed less because the welding heat is applied to a smaller area for a short time. Also discusses characteristics for aluminium and magnesium." (1974)	1 fb (68 cd) coul. 1 rec. 18 min. aud & inaud. 1 cas. aud & inaud. 1 reel tape,3.75ips,5"	193	91	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
Tig welding	"Illustrates proper operation of tungsten inert gas systems and explains jobs best accomplished with this system. In TIG welding, the flame is created by an electric arc instread of an oxygen-acetylene flame." (s.d.)	1 fb (75 cd) coul. 1 rec. 16 min. aud & inaud. 1 cas. aud & inaud. 1 reel tape, 3.75ips,5"	193	91	193

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
Brazing and soldering	"Presents basic techniques necessary for bronze surfacing, braze welding, brazing, and silver soldering, which should be identified as silver brazing." (s.d.)	1 fb (80 cd) coul. 1 rec. 21 min. aud & inaud. 1 cas. aud & inaud. 1 reel tape, 3.75ips,5"	193	91	193
High-reliability soldering techniques	"Titles include Single side entry; Double side entry; Bottom entry; Top entry; Component lead bending; Flat pack; Preparation and condition soldering - hook terminal connection - single wire; Preparation and conduction soldering - hook terminal - two wire; Turret terminal connection - single wire; and Turret terminal connection - two wire." (s.d.)	1 fb - coul. (super 8 tech.) (each title)	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Pipe welding techniques	"Shows in detail the preparation of joints for arc welding, and proper use of the body in making a weld. Demonstrations of all the aspects of downhill and uphill welding and roll and vertical welding." (s.d.)	Film 16MM	13 min.	coul.	102	102	102
Pipe welding techniques (série: welding)	"Titles include Joint preparation; Pipe welding technique; Downhill pipe welding; Uphill pipe welding; roll and vertical pipe welding; and industrial applications and quality control." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
Soudage: soudure de tuyauterie	"Le film présente en détail la préparation des joints pour une soudure à l'arc électrique et donne la bonne position du corps durant le travail. Les démonstrations présentent la soudure montante et descendante, présentent la soudure cylindrique et la soudure verticale. On donne des exemples industriels de la soudure du tuyaux et de la vérification de la soudure à l'aide de rayons X. (Egalement disponible en anglais)." (s.d.)	Film 16MM	13 min.	coul.	52	102	52
Soudure de tuyauterie	"La film présente en détail la préparation des joints pour une soudure à l'arc électrique et donne la bonne position du corps durant le travail. Les démonstrations présentent la soudure montante et descendante, présentent la soudure cylindrique et la soudure verticale. On donne des exemples industriels de la soudure du tuyaux et de la vérification de la soudure à l'aide de rayons X." (s.d.)	Film 16MM	13 min.	coul.	102	102	102

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Gas welding and cutting	"Titles include Oxy-acetylene setup; Lighting and adjusting the welding torch; Equipment shutdown; The flat butt weld (without rod) ; The flat butt weld; The flat lap weld; The tee weld; Braze welding; Lighting and adjusting the cutting torch; Plate cutting; and Automatic gas cutting. Also includes gas welding and cutting, student text , and gas welding, instructor's guide." (s.d.)	11 fb (super 8 tech.) (each title) (livres d'élèves et guide du professeur)	-	-	193	140	193
Gas welding of small diameter pipe	"Titles include Oxy-acetylene setup; Lighting and adjusting the welding torch; Equipment shutdown; Plate butt weld; Pipe butt weld (2-inch); Pipe butt weld (1-inch); Pipe tee weld; Live gas pipe butt weld (2-inch); weld burn-through repair (with steel); and gas line leak repair. Also includes small diameter pipe, student text, and small diameter pipe, instructor's guide." (s.d.)	20 fb (super 8 tech.) (each title) (livres d'élèves et guide du professeur)	-	-	193	140	193
Metal inert gas techniques	"Explains the theory of MiG welding. Shows details of the equipment used and the functions of the various units, including power supplies. Fully demonstrates operating procedures in the making of butt and fillet welds with various metals." (s.d.)	Film 16MM	14 min.	coul.	102	102	102
Metal inert gas technique (série: welding)	"Titles include Theory of M.I.G. welding; Equipment; Power supplies for M.I.G. welding; Operating procedures; Butt welding; and fillet welds." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Soudage: technique de soudure à gaz inerte	"Ce film explique la théorie de la soudure à gaz inerte, et il présente en détail le matériel employé et les fonctions des divers éléments aussi bien que leur alimentation. On montre aussi la façon de faire certaines soudures. Egalement disponible en anglais "Metal inert gas techniques"." (s.d.)	Film 16MM	14 min.	coul.	52	102	52
Technique de soudure à gaz inerte	"Ce film explique la théorie de la soudure à gaz inerte, et il présente en détail le matériel employé et les fonctions des divers éléments aussi bien que leur alimentation. On montre aussi la façon de faire certaines soudures." (s.d.)	Film 16MM	14 min.	coul.	102	102	102

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Pressure control devices	"Demonstrates the principles behind instrumentation for control of pressure." (1969)	Film 16MM	14 min.	coul.	0	102	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
C'est en forgeant	"(...) pictures of the blacksmith making horseshoes. (...)we find out that the blacksmith makes the horsehoes to sell to tourists as good luck charms. (...) In the next sequence a visitor to a smelting plant is shown the process of fabrication of a special type of steel. (...) the engineer and the blacksmith get involved in a game which involves performing a prolonged action while doing something else that takes much less time. (...)." (1968)	Film 16MM	13 min.	coul.	0	89	226
Forge and ornamental iron (série: hand operations - metalwork)	"A description of the gas forge and its operation, various tongs, parts of the anvil, and safety rules in forge operation. Actions and projects covers forging a chisel, annealing and hardening, tempering, twisting, ball peening, and finishing the job with oil and steel wool." (s.d.)	Film 16MM	12 min.	coul.	102	102	102

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Basic air conditioning (série complète)	"Sets include Basic physical theory; Electricity; Principles of environmental comfort; Principles of refrigeration; Peripheral devices; Motors and controls; Fundamentals of application; Types of air conditioners; Air distribution and duct design; Refrigerant tubing and fittings; Installations; Troubleshooting; and Physical properties of air based on selected illustrations from basic air conditioning by Gerald Schweitzer and Alvin Ebeling." (1971)	117 tr.	-	coul.	193	161	193
Temperature control devices (série: Instrumentation)	"Titles include Sensing elements; Thermostats; Year-round air conditioning systems-summer mode; Year-round air conditioning systems-winter mode; Alarm and linking thermostats; and The central control room." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Assembling a boiler (série: Steamfiting)	"Titles include Water ways; Flue ways; The back section; Push nipples; Intermediate front section; and Burner mounting plate and testing." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Joints	"Close-ups take the student "right inside" various joints stressing aspects wich make for a sound, water-tight fixture. Terms and measurements are explained, thread allowances, and fitting allowances calcuted. Copper soldered joints, methods of checking for a good joint, techniques of soldering, emphasis on soundness and neatness. Mechanical joints, hub and spigot, oakum and lead application, use of inside and outside irons. Threaded joints, threading a pipe end, use of pipe dope and hemp, perfect and imperfect threads. Plastic pipe joints, cement or heat fusion methods." (s.d.)	Film 16MM	14 min.	coul.	193	148	193
Joints de plomberie	"Le spectateur voit en détail plusieurs joints et l'accent est mis sur les aspects qui contribuent à rendre le joint étanche et solide. On explique les termes, les mesures et les calculs des tolérances d'ajustage et du filet. On donne la méthode de vériter la qualité d'un joint et les techniques de soudure - l'accent est mis sur la netteté et la précision. Il y a l'application de l'étoupe et du plomb et l'emploi des ciseaux à froid. On donne tous les aspects du filetage - filets parfaits et imparfaits, emploi de l'enduit et du chanvre. On voit aussi comment faire des joints de tuyaux en plastique à l'aide de la chaleur et de la colle." (s.d.)	Film 16MM	14 min.	coul.	102	102	102
Joints de tuyaux	"Le spectateur voit en détail plusieurs joints et l'accent est mis sur les aspects qui contribuent a rendre le joint étanche et solide. On explique les termes, les mesures et les calculs des tolérances d'ajustage et du filet. On donne la méthode de vérifier la qualité	Film 16MM	14 min.	coul.	245	0	245

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
(suite: joints de tuyaux)	d'un joint et les techniques à soudre - l'accent est mis sur la netteté et la précision." (1970)						
Série: Plumbing							
- Joints	"Titles include terms and type of measurement; Threaded joints; Soldering copper joints; Hub and spigot joints-cast iron; Mechanical joints -cast iron; and Plastic joints." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
- Trap and vents	"Titles include The trap; Parts of the trap; Types of traps; Function of a vent; Types of vents; and Stack vent and terminals." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Pipe bending (série: steamfitting)	"Titles include Measurement and allowance; Hydraulic bending; Part 1; Hydraulic bending; Part 11; Thermo bending - preparations; Thermo bending - pacing the pipe; and Thermo bending - making the bend." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
Traps and vents	"The trap's function, parts, and main types of trap encountered. Trap maintenance, depth of seal, syphonic action, loss of trap seal. Vents air pressure in the waste system, venting systems, continious waste and vent, back, single, and dual vents. Stack venting, vent terminals, the vent stack." (s.d.)	Film 16MM	13 min.	coul.	102	102	102

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Alloy toll steels	"Shows how operations involved in the manufacture of a metal part require the use of various types and grades of tool steel. Emphasizes tool steels used in dies." (1969)	Film 16MM	20 min.	coul.	0	118	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
L'acier	"Images de hauts fourneaux, de forges, d'usines de laminage, d'ateliers de construction mécanique et d'un grand nombre d'hommes de métier, qui, à l'instar de leur ancêtres, consacrent leur vie a la fabrication de l'acier britanique." (1945)	Film 16MM	35 min.	coul.	0	19	202
L'aluminium	"Origine des métaux bruts; procédés chimiques et electrolytiques de transformation du minerai en lingots; laminages; graphiques de production et de consommation; importance de la proximité des ports et exemples d'utilisation." (s.d.)	Ff (52) Avec légendes		coul.	I39	I03	I03
Aluminium	"Shows, some of the properties, methods of handling, and applications of aluminium." (I969)	Film I6MM	20 min.	coul.	0	II8	198
Beams and frames	"This film examines the behaviour of beams and frames, and their stress didtributions and deformations." (1969)	Film 16MM	33 min.	coul.	0	39	197
Behavior of structural materials	"Robert A. Heller presents experiments which show how structural materials react under various kinds stresses." (1969)	Film 16MM	22 min.	coul.	0	93	197
Cuivre	"Le film décrit les caractéristiques, les méthodes d'exploration, d'extraction et de transformation du cuivre. Il explique ensuite le rôle qu'il joue dans un très grand nombre d'industries." (s.d.)	Ff (44) Avec livret et légendes		coul.	139	103	103

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Série: Elements of technology							
- Alloy tool steels	"Programs shows how the manufacture of metal parts require the use of various types and grades of tool steel." (s.d.)	bm	20 min.	n&b	165	0	165
- Aluminium	"Program shows properties and methods of handing and applications of aluminium." (s.d.)	bm	20 min.	n&b	165	0	165
- Construction technology concrete	"Shows the importance of concrete as a building material by illustrating its composition properties, and applications in modern construction practices." (s.d.)	bm	30 min.	n&b	165	0	165
- Stainless steels	"Program describes stainless steel and examines its applications." (s.d.)	bm	20 min.	n&b	165	0	165
- Structural steel	"Structural steel in rolled shapes, plate, and role-formed sheet in building transport, and other applications." (s.d.)	bm	20 min.	n&b	165	0	165
- Welding	"Demonstrates that the development of specialized welding techniques increases the utility of aluminium." (s.d.)	bm	20 min.	n&b	165	0	165
- Welding: the fusion of steel	"Shows how the welding processes have allowed designers more flexibility in the use of steel." (s.d.)	bm	20 min.	n&b	165	165	165
The hidden structure	"Traces the development of chemistry from the ancient techniques of oriental metallurgy to modern knowledge of the elements." (1973)	Film 16MM	50 min.	coul.	0	18	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
The hidden structure	"Traces the development of chemistry from the ancient techniques of oriental metallurgy to modern knowledge of the elements." (1973)	Film 16MM	50 min.	coul.	0	18	198
L'industrie du fer et de l'acier	"Illustré de cartes et de graphiques. Ce film se divise en deux parties: il offre tout d'abord un historique de l'industrie de la fonte du fer au Canada; il décrit ensuite les divers procédés du coulage, du démoulage, du trempage et du laminage de l'acier." (s.d.)	Ff (52)	-	coul.	139	103	103
Light, strong and beautiful	"A study of the worldwide aluminum industry and the varied uses of aluminum products." (1971)	Film 16MM	28 min.	coul.	0	101 & 130	99
Metals identification	"Titles include introduction and visual inspection; Magnet test; Spark test; and chemical test." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
Portrait of a metal	"Fabrication, coloring and use of aluminium are illustrated. Very little commentary to accompany the unusual musical soundrack." (s.d.)	Film 16MM	12 min.	coul.	0	4	99
Stainless steel takes shape	"A fast running film showing the production of stainless steel plate, coil and sheet with particular regard to finish. Most of the film is concerned with the fabrication of stainless steel into a variety of products in works in Great Britain and the European Continent." (1972)	Film 16MM	26 min.	coul.	0	21	216

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Stainless steels	"Describes stainless steel and examines its growing steel is examined in depth." (1968)	Film 16MM	20 min.	n&b	0	99	99
Steel for the nation	"Tells the complete story of steel, from its beginning in Labrador, its production in the steel company of Canada in Hamilton, Ontario, to the final products used across the nation." (1965)	Film 16MM	30 min.	coul.	0	82	99
Steelmaking	"Shows some of the processes that are involved in extracting iron from iron ore, and its conversion to steel. Scrap steel is shown as an example of recycling basic materials." (s.d.)	Film 16MM	25 min.	coul.	68	68	68
Stydy in steel	"A film showing how steel is made. The basic chemical changes which take place in the transition from iron ore of steel are dealt with in a simple manner and the audience is taken through the processes as they are seen in the steelworks and shown the newest methods of manufacture." (1969)	Film 16MM	27 min.	coul.	0	19	202
Tensile and compressive structures	"The concepts of equilibrium and stability of structures are introduced and demonstrated. The film shows cable and arch action, buckling of columns, and the behaviour of trusses in contrast to rigid frames." (1969)	Film 16MM	25 min.	coul.	0	93	197

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Série: Refrigeration - Motors, controls and testing	"Titles include Single phase motor compressor; How single phase motors operate; Capacitor start run (C.S.R.) and permanent split capacitor (C.S.P.); Meters and how to use. Them; Locating terminals On unmarked dome; and Testing relays, Capacitors and Fuses." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
- Multiple temperature evaporators	"Titles include installation on valves; Surge tank and oil separator; Thermostat and solenoid valve; Short-cycling of compressor; and Sizing liquid reservoirs." (s.d.)	1 fb (super 8 tech.) (each title)	-	coul.	193	148	193
Série: Refrigeration / Instrumentation - Instrumentation control devices	"Titles include sensing elements; Thermostats; Year-round air conditioning systems-summer mode; Year-round air conditioning systems-winter mode; Alarm and limiting thermostats; and The Central control room." (s.d.)	6 fb 1 fb each title (super 8 tech.)	-	-	193	84	193
- Instrumentation: Pressure control devices	"Titles include Bourdon tube forms; Diaphragm, Bellows, Capsule; Regulators; Pressure distribution systems; Pressure controlling devices; and Controlled devices." (s.d.)	6 fb 1 fb each title (super 8 tech.)	-	-	193	84	193
- Refrigeration: Motors, controls and testing	"Titles include Single phase motor compressors; how single phase motors operate; Capacitor start run (C.S.R.) and Permanent split capacitor (C.S.P.); Meters and how to use them; Locating terminals on unmarket dome; and Testing relays, Capacitors and fuses." (s.d.)	6 fb	-	-	193	84	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
- Refrigeration: Multiple temperature evaporators	"Titles include installation on valves; Surge tank and oil separator; Thermostat and solenoid valve; Short-cycling of compressor; and Sizing liquid reservoirs." (s.d.)	5 fb 1fb each title (super 8 tech.)	-	-	193	84	193
Refrigeration training program	"Introduces refrigeration to those with tittle or no refrigeration experience, including material from basic cycles to detailed refrigerant behavior. Titles include Basic refrigeration; Compressors; Condensers & Evaporators; Flow control devices; The refrigerant & the system; and the refrigerant family. Developed in conjunction with allied chemical corporation." (s.d.)	12 Ff 2 Ff each title	- (coul., cas.)	coul.	193	42	193

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Elements of hardening	"How steel is quench - hardened; how the structure and hardness of steels with different carbon content change at progressive quench-hardening stages; how the lower and upper critical temperatures of steel are determined; and how an iron-carbon diagram is constructed and what it shows." (1945)	Film 16MM	15 min.	n&b	0	99	99
Loads on structures	"Robert A. Heller discusses static and dynamic loads. He describes the deformations and stresses that are produced by dynamic oscillation, and presents news footage which shows the disastrous effects of loads on structures. Includes scenes of the Tacoma Narrows Bridge." (1969)	Film 16MM	19 min.	coul.	0	93	197
Membranes and shells	"Robert A. Heller presents experiments which show how membranes and shells in structures react under various kinds of stresses." (1971)	Film 16MM	27 min.	coul.	0	93	197

TITRE	RESUME	SUPPORT	REFERENCES		
		M T NB/C	D	P	S
General shop safety	"Introduces students to safe shop practices. Deals with proper housekeeping, fire prevention measures, color codes, care and handling of chemical and plastic materials, and personal protection." (s.d.)	Ff (51 cd) coul. 1 rec. 19 min. aub or inaub 1 cas. aub or inaub. 1 reel tape, 3.75ips,5"	193	91	193
Men of iron	"A film emphasizing the importance of safety practices for steel construction workers." (s.d.)	Film 19 min. coul. 16MM	0	102	197
Metal shop skills: Safety and operations	"Photography of basic shop procedures with major emphasis on safety demonstration and basic concepts and operations. Titles include Arc welding; Safety and Operations; Facing on the lathe; Oxy-acetylene welding: Safety operations; Safety and basic fundamental on the engine lathe, part 1; Safety and basic fundamentals on the engine lathe, part 11; and Straight turning between centers on the lathe." (s.d.)	6 Ff - coul. 6 rec. or 6 cas.	193	2	193
Policies for people	"Excerpts from the 36th annual steelworkers Policy conference (...) resolutions and discussions proposed by union locals and committees on a variety of topics which are of interest to workers in other occupations. Eg.: unnecessary price increases in polluting fertilizers; certification of training for miners; compensation; industrial safety and occupational health. (...) For use on U. of T. campus only." (s.d.)	vc 26 min. coul.	95	0	241

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Safety in the metal shop	"Illustrates clothing, eye protection, using hand tools, operating power machinery, working around hot metal, and good housekeeping." (1971)	1 Ff 1 rec. or cas.	30 min.	coul.	193	132	193
Série: Safety in the shop							
- Basic practices	"Emphasizes the worker's responsibility for safety in both wood and metal shop in clothing. Lifting and carrying. Emphasizes the value of tidiness and guarding against fires." (s.d.)	Film 16MM	13 min.	coul.	0	102	198
- Hand tools	"Shows the safety values of keeping tools in good condition. Emphasizes the importance of protective clothing, and demonstrates safe use of forge and welding equipment." (1970)	Film 16MM	13 min.	coul.	0	102	198
- Power tools	"Stresses common sense practices with power saws, lathes and other woodworking and metalworking machine tools. Describes proper clothing, how to adjust machines before starting, and how to deal with broken blades." (1971)	Film 16MM	13 min.	coul.	0	102	198
Safety: machine and power tools, série complète	"Includes safety hints, precautions, procedures, and rules for all of the power and machine tools likely to be used in the school shop program. Subsets include General rules; Stationary power tools; Machine tools; and Portable power tools." (s.d.)	48 tr.	-	coul.	193	42	193
School shop safety	"Emphasizes basic safety practices to be observed when handling various materials, hand tools, power tools, heated materials and electricity." (1968)	Film 16MM	15 min.	coul.	0	56	198

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Slinging safely	"A safety film about wire rope slings and the ways they are used and misused. It stresses the importance of proper storage and the safeguards necessary for good slinging practice." (s.d.)	Film 16MM	22 min.	coul.	0	41	197
Tool or weapon	"This is a film on safety factors in steel hand-tool manufacture and maintenance. It shows why a faculty tool is a fatal weapon. The development of faults in steel hand tools is explained and illustrated, and the need for their regular inspection is emphasized. Faulty tools must be thrown out or returned to the manufacturer for reconditioning." (1968)	Film 16MM	12 min.	coul.	74	74	74

TITRE	RESUME	SUPPORT			REFERENCES		
		M	T	NB/C	D	P	S
Challenge in the rock	"Depicts the mining industry of British Columbia, both open pit and underground mining, emphasizing career opportunities." (1966)	Film 16MM	27 min.	coul.	0	98	216

LISTE DE REFERENCES

1. AIBERT, ALTSCHUL PRODUCTIONS

2. AIMS INSTRUCTIONAL MEDIA SERVICES INC.
   626 Justin Ave.
   Glendale, CA 91201 USA

3. AIRCRAFT & MISSILE FILMS

4. ALCAN

5. ALL SCOPE PICTURES INC.

6. AMERICAN ASSOCIATION FOR VOCATIONAL INSTRUCTIONAL MATERIALS

7. AUDIO VISUAL PRODUCTIONS INC.
   1233 N. Ashland Ave.
   Chicago, IL 60622

8. AUDIO, BRANDON FILMS INC.
   Sub of MacMillan Inc.
   34 Macquesten Parkway S. MT
   Vernon, NY 10550

9. BNA COMMUNICATIONS INC.
   Sub of Bureau of National Affairs Inc.
   9401 Decoverly Hall Rd, Rockville,
   MD 20850

10. BFA EDUCATIONAL MEDIA
    2211 Michigan Avenue
    Santa Monica, California 90404

11. BP
    240 Duncan Mill
    Toronto

12. BAILEY FILM ASSOCIATION
    CBS Educational & Professional
    Publishing, A Div. of CBS Inc.

13. BAKERY COUNCIL OF CANADA
    Toronto Dominion Centre Bank
    Tower
    Toronto

14. BEHAVIOR COMMUNICATIONS

15. BENCHMARK FILMS
    145 Scarborough Rd
    Briarcliff Manor
    NY 10510

16. BERGWALL PRODUCTIONS
    839 Stewart Ave.
    Garden City, New York
    11530

17. BIZZOCCHI, JAMES

18. BBC BRITISH BROADCASTING CORPORATION
    Manulife Center
    Suite 510
    55 Bloor Street West
    Toronto
    M4W 1A5

19. BRITISH INFORMATION SERVICES

20. BRITISH ROPES LTD.

21. BRITISH STEEL CORPORATION

22. BULLFROG FILMS INC
    Oley Pa 19547

23. CALVIN LABORATORIES

24. CALVIN PRODUCTIONS

25. CANADIAN BROADCASTING CORPORATION
    385 Jarvis
    Toronto

26. CANADIAN FILMMAKERS
    Distribution Centre
    144 Front St. W, Suite 430
    Toronto, Ontario
    M5J 2L7

27. CATERPILLAR TRACTOR COMPANY

28. CENTRE DE DOCUMENTATION PEDAGOGIQUE

29. CENTRON FILMS
    1621 W. Ninth, Lawrence
    KS 66044

30. CHARLES CAHILL AND ASSOCIATES

31. CHETWYND FILMS
    10 Bonigan Dr
    Toronto

32. THE CHILD IN THE CITY PROJECT

33. CHURCHILL FILMS
    662 N. Robertson Blvd
    Los Angeles
    Ca 90069

34. CHURCHILL - WEXLER

35. CONSTRUCTION SAFETY ASSOCIATION OF ONTARIO
    74 Victoria
    Toronto

36. CONSUMERS UNION
    256 Washington St.
    Mount Vernon
    NY 10550

37. CORONET FILMS 1981
    Division of Esquire Inc.
    65 E South Water St.
    Chicago, IL
    60601

38. CORONET INSTRUCTIONAL FILMS

39. CORONET INSTRUCTIONAL MEDIA

40. CREATIVE VISUALS DIVISION
    Gamco Industries Inc
    Sub of Siboney Corp
    Box 1911 Big Spring
    TX 79720

41. CRESSWELL FILM UNIT

42. DCA EDUCATIONAL PRODUCTIONS
    Sub of DCA Inc
    424 Valley Rd.
    Warrington
    PA 18976

43. DEC FILMS
    121 Avenue Rd
    Toronto

44. DEPARTEMENT OF THE ARMY

45. DISNEY (WALT) PRODUCTIONS
    500 S Buena Vista St.
    Burbank
    CA 91521

46. DOCUMENT ASSOCIATES INC
    211 E. 43 St
    New York
    NY 10017

47. ERF

48. EYR CAMPUS PROGRAMS

49. EDUCATIONAL COMMUNICATIONS AUTHORITY

50. EDUCATIONAL MEDIA INC
    115 E. Fourth St
    Box 39
    Ellens Burg
    WA 98926

51. ENCYCLOPEDIA BRITANNICA FILMS
    425 N. Michigan Ave
    Chicago, Ilinois
    60611

52. ENTREPRISES INTERNATIONALES TELE-FILM LTEE
    390 Saint-Antoine Ouest
    Montréal

53. EOTHEN FILMS (MEDICAL) LTD

54. ETHYL CORPORATION

55. FACULTY OF MEDICINE

56. FILM ASSOCIATES OF CALIFORNIA

57. FORD MOTOR COMPANY

58. FORTUNE FILMS LTD

59. FRED WARDENBURG

60. FRENCH EMBASSY

61. GAF CORPORATION
    140 W. 51 St
    New York
    NY 10020

62. GENERAL ELECTRIC EDUCATIONAL FILMS
    396 Attwell Dr
    Toronto, Ontario

63. GENERAL MOTORS DU CANADA LTD
    Oshawa, Ontario
    L1G 1K7

64. GIBSON DAN

65. GPN: GREAT PLAINS NATIONAL INSTRUCTIONAL
    TELEVISION LIBRARY
    Box 80669
    Lincoln, Nebraska 68501
    tel: (402) 472-2007
    467-2502

66. HALAS AND BATCHELOR, LONDON

67. HANDEL FILM CORPORATION
    8730 Sunset Blvd
    Los Angeles
    CA 90069

68. HARPER & ROW PUBLISHERS
    10 E 53 St,
    New York
    NY 10022

69. HEALTH WELFARE EDUCATION

70. HOFFMAN: AUTOMOTIVE ENGINE REPAIR COORSE
    DESCRIPTION
    4423 Arden Drive
    El Monte
    California 91734

71. IBM DATA PROCESSING DIVISION
55 King W
Toronto

72. INTERNATIONAL FILM BUREAU INC.
332 S. Michigan Ave
Chicago, IL 60604

73. INDIANA UNIVERSITY
Audio-visual Center
Bloomington
IN 47405

74. INDUSTRIAL ACCIDENT PREVENTION ASSOCIATION
2 Bloor Street East
Toronto, Ontario
M4W 3C2

75. INFORMATECH/IMAGE ET FORMATION
Place Bonaventure
20 Edison
Etage E
B.P. 160
Montréal

76. INFORMEDIA PRODUCTIONS

77. INSTITUT NATIONAL DES VIANDES INC
10216 Lajeunesse
Montréal,
H3L 2E2

78. INSTITUT PEDAGOGIQUE

79. INSTRUCTIONAL MEDIA SERVICE

80. INTERNATIONAL CINEMEDIA CENTER LTD
49 Bathurst
Toronto

81. INTERNATIONAL TELEFILM ENTREPRISES
47 Densley Ave.
Toronto
M6M 5A8

82. JACK CHISHOLM PRODUCTIONS LTD.

83. JAM HANDY

84. KAVIC HOUSE

85. THE KENALEX CORPORATION

86. KEG PRODUCTIONS

87. KEY FILMS PRODUCTIONS

88. KING SCREEN PRODUCTIONS

89. LEENHARDT, ROGER

90. LEW PARRY PRODUCTIONS

91. LIBRARY FILMSTRIP CENTER
3033 Aloma
Wichita KS 67211

92. MAC-MILLAN FILMS INC
Sub of MacMillan Inc
34 MacQuesten Parkway S
Mount Vernox
NY 10550

93. McGRAW-HILLS FILMS
Sub of McGraw-Hill Book Company
110 15 St
Del Mar
CA 92014

94. McGRAW-HILL RYERSON LTD.
Film Division
330 Progress Ave.
Scarborough
M1P 2Z5

95. MEDIA CENTER

96. MILADY PUBLISHING CORPORATION
3839 White Plains Rd.
Bronx
NY 10467

97. MILLBANK

98. MINING ASSOCIATION OF BRITISH COLUMBIA

99. MINISTÈRE DE L'EDUCATION (S.G.M.E.)
600 rue Fullum
Montréal
H2K 4L1

100. MINISTERE DE LA SANTE

101. MODERN TALKING PICTURE SERVICE
1055 Beaver Hall Hill
Montréal
H2Z 1S5

1875 Leslie St
Don Mills
M3B 2N6

102. MORELAND-LATCHFORD
299 Ouest rue Queen
Toronto, Ontario
M5V 2S6

103. MULTI-MEDIA (par) O.N.F. 1979-80 (Prod)

104. MUSICA VIVA LIMITED

105. NASA

106. NEW PROFESSIONAL TRAINING PROGRAMS

107. NET FILM SERVICE

108. NATIONAL EDUCATIONAL MEDIA INC
15760 Ventura Blvd
Encino Ca 91436

109. NATIONAL FEDERATION OF BUILDING TRADE EMPLOYERS AND THE CONSTRUCTION INDUSTRY TRAINING BOARD

110. NATIONAL FILM BOARD
Suite 642
150 Kent St
Ottawa, Ontario
K1A 0M9

111. NATIONAL GEOGRAPHIC
Educational Services
Catalogue 1981
151 Carlingview Drive, Unit 5
Rexdale, Ontario
M9W 5SA

112. NATIONAL INSTRUTIONAL TELEVISION

113. NICHOLSON - MUIR PRODUCTIONS

114. NIELSEN - FERNS INTERNATIONSL LTD
55 University, Toronto
M5J 2H7

115. OFFICE OF ENVIRONMENTAL HEALTY

116. OFFICE DU FILM DU QUEBEC
360 rue McGill
Montréal

117. OFFICE NATIONAL DU FILM
550 ouest, rue Sherbrooke
Montréal
H3A 1B9

Piece 520, Place d'Youville
100, carré d'Youville
Québec
G1R 3P7

118. ONTARIO EDUCATION COMMUNICATIONS AUTHORITY

119. ONTARIO HYDRO ELECTRIC POWER COMMISSION

120. OXFORD FILMS INC

121. P.M. THEATRICAL ENTREPRISES

122. PARTHENON PICTURES
2625 Temple St
Los Angeles
Ca 90026

123. PARIS CITE PRODUCTIONS

124. PARIS CITE PRODUCTIONS

125. PATHESCOPE EDUCATIONAL MEDIA INC
71 Weyman Ave
New Rochelle
NY 10802

126. PATRICIA A. SEMIER

127. POLYGOON

128. PORTLAND CEMENT ASSOCIATION

129. PRODUCTIONS SDA, LTEE

130. PRODUCTIONS VIDEODIO INC

131. PYRAMID FILMS
2801 Colorado Box 1048
Santa Monica
CA 90406

132. R.M.I. EDUCATIONALS FILMS
120 W. 72 St
Kansas City
MO 64114

133. RADIO-QUEBEC
Service de Diat.
800 rue Fullbum
Montréal, Québec
H2K 3L7

134. RESEAU BELL (CANADA)

135. RICHARD COSTAIN LTD

136. SAGA SERVICE FOR BROKHOUSE STEEL STRUCTURES

137. SANDLER INSTITUTIONAL FILMS INC
Mel Rd
Hollywood
CA 90046

138. SCREENSCOPE INC
1022 Wilson Blvd
Suite 2000
Arlington
VA 22209

139. SECAS-ADIMEC = BOUCHARD & ASSOCIES
136 Est St-Paul
Montréal, H2Y 1G6

140. SEE-DU FILMS INC.

141. SERVICE GENERAL DES MOYENS D'ENSEIGNEMENT
170 Hotel de Ville, Hull, Québec

142. SHOWEST

143. SO FRESED

144. SOCIETE NOUVELLE PATHE CINEMA

145. SOUTHAM VIDEO LIMITED

146. STANLEY TOOL COMPANY

147. STANTON FILMS
2417 Artesia Blvd
Redondo Beach
CA 90278

148. STERLING EDUCATION FILMS
Sub of the Walter Reade
Organization Inc
241 E 34 ST
New York
NY 10016

149. SWIFT CANADIAN CO. LTD
2 Eva
Toronto

150. SYRACUSE UNIVERSITY
Film Rental Center
1455 E. Colvin St
Syracuse NY 13210

151. TELESTAR PRODUCTIONS INC
366 N. Prior Ave
St-Paul Mn 55104

152. TEMPLE FILMS FOR JOHN NOWLEM AND COMPANY

153. TIME-LIFE PRODUCTIONS
Multimedia Division
100 Eisenhower Dr
Paramus NY 07652

154. TOKYO CINEMA

155. U.S. DEPT, OF AGRICULTURE

156. US. DEPT OF THE ARMY

157. USN

158. UNITED BROTHERHOOD OF CARPENTERS AND JOINERS OF AMERICA

159. UNITED STATES DEPT OF THE NAVY

160. UNITED STATES INFORMATION AGENCY

161. UNITED TRANSPARENCIES INC
Box 688 Binghamton
NY 13902

162. UNIVERSAL EDUCATION AND VISUAL ARTS
Division of Universal City Studies Inc.
100 Universal City Plaza
Universal City
CA 91608

163. UNIVERSITY OF MID-AMERICA
Box 82006
Lincoln NE
68501

164. VAN PRAAG PRODUCTIONS

165. VIPS, OECA
P.O.Box 200, Station Q
Toronto, Ontario
M4T - 2T1
Tel: (416) 484-2613

166. VISUAL EDUCATION CENTRE
75 Horner
Toronto

167. VISUAL INSTRUCTION PRODUCTIONS
A Dept of Victor Kayfetz
Productions Inc
295 W Fourth St
New York
NY 10014

168. VOCATIONAL AGRICULTURE SERVICE

169. WGBH-TV

170. WSWP-TV BECKLEY WV

171. WEXLER FILM PRODUCTION

172. WILLARD VAN DYKE

173. WILLIAM BROSE PRODUCTION

174. WURTELE FILM PRODUCTIONS

175. BRITISH BROADCASTING CORPORATION
Film Catalogue
Manulife Centre
Suite 510
55 Bloor St. West
Toronto, Ontario, M4W 1A5

176. CENTRE DES MEDIA REGIONAL
OTTAWA CARLETON
Ottawa, Ontario

177. DIRECTION GENERAL DU CINEMA ET DE L'AUDIO-VISUEL SERVICE DE LA DISTRIBUTION

178. EDUCATIONAL CORPORATION

179. EDUCATIONAL FILM DISTRIBUTORS LTD
285 Lesmill Road
Don Mills, Ontario
M3B 2V1

180. GOUVERNEMENT DU QUEBEC

181. INSTITUT CANADIEN DU FILM
75 Albert St
Suite B-20
Ottawa, Canada
K1P 5E7

182. D.H. HUGHES & ASS. LTD
884 Saddle Street
Port Coquitlam, B.C.
V3C 3N2

183. MARLIN MOTION PICTURES LTD
47 Lakeshore Rd. E.,
Mississauga, Ontario
L5G 1C9

184. MEDIA DEPARTEMENT HOLT RINEHART AND WINSTON OF C.P.A.

185. OFFICE DE RADIO-TELE DIFFUSION DU QUEBEC

186. PUBLIC BROADCASTING SERVICE

187. UNIVERSITY OF TORONTO AUDIOVISUAL LIBRARY CATALOGUE
9 King's College circle 1980
Toronto, Ontario Canada
M5S 1A8

188. VIDEORECORDING 1979
Disponible dans les bibliothèques publiques de l'Est de l'Ontario
Eastern Ontario Regional Library System
Fed. des bibliothèque de l'Est de l'Ontario.

189. AUDIO CINE FILMS INC.
3737 Crémazie est
suite 500
Montréal, Québec
H1Z 2K4

190. AMBASSADE DE FRANCE
Service culturel
42 Sussex
Ottawa, Ontario

191. ATLAS COPCO CANADA LTD
Film catalogue 1977
Public relations dept.
P.O. Box 745
Pointe-Claire, Dorval
H9R 4S8

192. AUDIOVISUAL MEDIA LIBRARY
Université d'Ottawa
Catalogue audiovisuel 1980
550 Cumberland
Ottawa, Ontario

193. BAKER & TAYLOR COMPANIES
Sub. of WR Grace & Co.
A.V. service division
Box 230, Gladolia Ave.
Momence, IL 60954

194. BRITANNICA FILMS
Visual education center
115 Berkely Street
Toronto, Ontario
M5A 2W8

195. CANADIAN F.D.S. AUDIO-VISUAL
185 Spadina avenue
Toronto, Ontario

196. CENTER FOR HUMANITIES INC.
Complete catalog of soundslide
programs 1979
White Plains,New York
10602

197. CENTRE DE DOCUMENTATION
Présente 1000 films
may 1978

198. CENTRE DES MEDIAS REGIONAL
OTTAWA CARLETON

199. CINE-QUEBEC
Dir. Gén. du cinéma et de l'audio-
visuel anciennement l'O.F.G.
360 rue McGill,
Montreal, Québec
H2Y 2E9

200. LA CINEMATHEQUE QUEBECOISE
360 McGill Street
Montréal, Québec

201. CINEMEDIA LTEE
245 Avenue Victoria
Bureau, 601
Montréal, Québec
H3Z 2M6

202. CONCORDIA UNIVERSITY
Campus Sir George Williams
bureau 341, Pavillon Hall
1455 boul. de Maisonneuve ouest
Montréal, Québec
H3G 1M8

203. COOPERATION DES CINEASTES INDEPENDANTS
3684 Boul. St-Laurent
Montréal, Québec ,H2X 2V4

204. DIFFUSION AUDIO-VISUELLE MARTIN
1151 Alexandre De Sève
Montréal, Québec
H2L 2T7

205. DOCUMENT AUDIO-VISUELS EN FRANCAIS
Catalogue à l'intention des agents
de formation

206. EDUCATIONAL FILM DISTRIBUTION LTD

207. HOFFMAN: AUTOMOTIVE BODY REPAIR
COURSE DESCRIPTION
4423 Arden Drive
El Monte, California
91734

208. HOFFMAN: AUTOMOTIVE BRAKES & FRONT
END REPAIR COURSE DESCRIP.
4423 Arden Drive
El Monte, California
91734

209. HOFFMAN : AUTOMOTIVE ENGINE COURSE DESCRIP.
4423 Arden Drive
El Monte California
91734

210. HOFFMAN: BUSINESS PROCEDURES COURSE DESCRIP.
4423 Arden Drive
EL Monte, California
91734

211. HOFFMAN KEY PUNCH
4423 Arden Drive
El Monte California
91734

212. HOFFMAN MACHINE TOOL COUSE DESCRIP.
4423 Arden Drive
El Monte, California ,91734

213. HOFFMAN POWER
4423 Arden Drive
El Monte, California
91734

214. HOFFMAN: POWER MECHANICS MOTROCYCLE REPAIR
COURSE DESCRIPTION
4423 Arden Drive
El Monte, California
91734

215. THE INDEPENDANT FILM PRODUCERS COMPANY
334 East Green Street
Pasadena, California 91101

216. INSTITUT CANADIEN DU FILM

217. INTERNATIONAL FILM FOUNDATION INC

218. LEARNING CONCEPTS LIMITED
84 Ballantyne Avenue
Stratford, Ontario
N5A 3A5

219. THE LIBRARY UNIVERSITY OF GUELPH: FILM LIST

220. MCGILL UNIVERSITY, MONTREAL
Film Catalogue
Intructional
Communications Centre
815 Sherbrooke S West
Montreal
H3A 2K6

221. MCGRAW-HILL CANADA ... FILMS DIVISION
330 Progress Avenue
Scarborough, Ontario

222. MAGIC LANTERN: COMMUNITY COLLEGE AND
UNIVERSITY 16MM FILM CATALOGUE
872 Winston Chruchill Blvd., Oakville, Ont.

223. MARLIN MOTION PICTURE LTD.

224. MASSACHUSETTS INSTITUTE OF TECHNOLOGY:
VIDEOTAPES 16MM FILMS STUDY GUIDE 1978/79
CATALOG

225. MEDIA: ALPHABETICAL LISTING OF PENN STATE
FILMS AND VIDEOCASSETTES

226. MEDIA LIBRARY CATALOGUE 1980
UNIVERSITY OF WATERLOO AUDIO VISUEL CENTRE

227. MEDIA LIBRARY; UNIVERSITY OF MICHIGAN
VIDEO CASSETTE, SLIDE, TAPE, PRINT
MEDICAL CENTRE 1981
University of Michigan
Ann Arbor
Michigan 48109

228. NATIONAL AUDIOVISUAL CENTER
NATIONAL ARCHIVES AND RECORDS SERVICE
General Services Administration
Order Section/PA
Washington, DC 20409

229. OTTAWA PUBLIC LIBRARY
FILM CATALOGUE 16MM - 1976-77
120 Metcalfe
Ottawa, Ontario

230. PENN STATE FILM AN VIDEO CASSETTE

231. PHOENIX FILMS INC
470 Park Avenue South
New York, N.Y. 10016
Dist. per inter. tele-film Ent.

232. PROGRAMME MULTICULTUREL
CATALOGUE DE FILMS EN LANGUES ETRANGERES
DISPONIBLE A OTTAWA
OFFICE NATIONAL DU FILM

233. THE PUBLIC TELEVISION LIBRARY VIDEO PROGRAM
CATALOGUE 1976/77
A Depart. of the Public Broadcasting Service
475 l'Enfant Plaza SW
Washington, D.C. 20024

234. QUARTERLY UPDATE

235. REPERTOIRE DE LA CINEMATHEQUE NATIONALE DES
RELATIONS INDUSTRIELLES
Travail Canada

236. REPERTOIRE DES DOCUMENTS AUDIO-VISUELS
Préparé par Jacques de Varennes
Agriculture Québec

237. SVE: 1978 MULTIMEDIA CATALOG
Society for Visual Education
1345 Riversey Parkway
Chicago, Illinois 60614

238. TEACHER EDUCATION
THE ONTARIO EDUCATIONAL COMMUNICATIONS AUTHO-
RITY
OECA/ Central Order Desk
Box 200, Station Q
Toronto, Ontario
M4T 2T1

239. UNIVERSITE DU QUEBEC A MONTREAL AUDIOVIDEO-
THEQUE
C.P. 8888 Succ. A
Montréal, Québec
H3C 3P8

240. UNIVERSITY OF PENNSYLVANIA
Université d'Ottawa

241. UNIVERSITE DE TORONTO

242. VIDEO RECORDING

243. WILFRID LAURIER UNIVERSITY
MEDIA CATALOGUE 1980
AUDIO VISUAL DEPARTMENT
Central Teaching Building,
Room 2-617
75 University Avenue West
Waterloo, Ontario
N2L 3C5

244. YORK UNIVERSITY
SCOTT LIBRARY
FILM LIBRARY CATALOGUE OF 16MM
FILMS

245. MINISTERE DE L'EDUCATION DE L'ONTARIO

246. MODERN FILM RENTALS

247. INTERNATIONAL FILM BUREAU
VOIR 72

248. NORMAN GERARD PRODUCTIONS AND ALAN
GORDON ENTREPRISES

249. PYRAMID FILMS

250. BOUCHARD & ASSOCIES

251. LIBRAIRIE MALOINE S.A.

252. MODERN LEARNING AIDS

253. L.A.C.

254. GLODBERG WERRENRATH PRODUCTIONS

255. CATALOGUE A L'INTENTION DES AGENTS DE
FORMATION

256. C.T.

257. XEROX EDUCATION PUBLICATIONS/XEROX FILMS
Sub. of Xerox Corporation
245 Long Hill Rd
Middletown
CT 06457

258. STEWART FILMS

259. CIE EUROPEENNE DE PRODUCTIONS

260. HOFFMAN OCCUPATION
Learning Systems
4423 Arden Drive
El Monte
California 91734
442-0123

261. PETERSON PRODUCTIONS

262. NEW HAMPSHIRE ETU NET WORK

263. HOFFMAN AUTOMOTIVE TUNE-UP
4423 Arden Drive
El Monte California
91734